

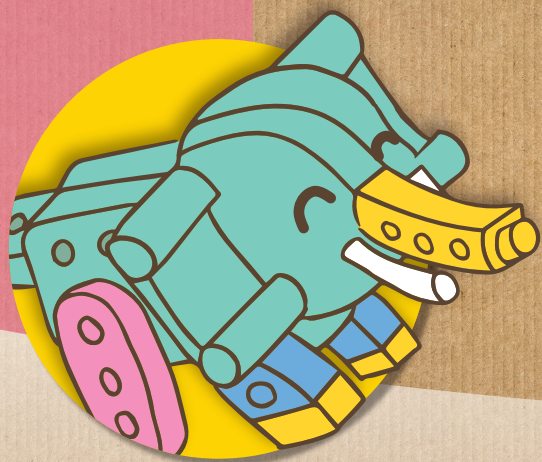


JUNIOR ENGINEER # 7371

本電子版說明書提供完整版組裝說明

ZOO TRACK

動物園軌道組



Join us on our Zoo
Track Adventure!
一起加入我們的動物園
軌道歷險吧!



LET'S PLAY BLOCKS WITH AWESOME STORYBOOKS
精彩的繪本故事帶你一起玩積木

STEAM

3+
AGES

58
PIECES

20
MODELS



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Dear Parents and Supervising Adults,

Engineering is an extremely exciting and vast field. This kit, along with its illustrated storybook and instruction manual, provides an engaging way to teach simple engineering concepts to preschool-age kids.

Read the story with your child and build the simple models that the main characters build in the story. As you follow the story, your child can build models of the seven animals and thirteen tracks in the story with your help. They will also learn about different types of animals and tracks. Large, colorful plastic building pieces make it easy for small hands to put the models together.

The models are assembled step by step using a construction system. It will require a little practice and patience at first. Please assist your children when they need your help, but also let them try to build the models by themselves. Your children will be happy to have your help with the models or assembly steps that pose particular difficulties.

We wish you and your child lots of fun building, discovering and learning!

Safety Information

Warning:

**Choking hazard- small parts may be swallowed or inhaled.
Not suitable for children under 3 years.**

- »» Keep the packaging and instructions as they contain important information.
- »» Store the experiment material and assembled models out of the reach of small children.
- »» The models are intended for indoor use. Do not use your models in a sandbox.

親愛的家長及大人們：

工程是一個很有趣，涵蓋範圍很廣的領域。在這學習套組中包含有故事繪本及組裝說明書，提供教導學齡前的幼兒學習簡單的機械工程概念。

為您的孩子朗讀故事繪本並組裝書中主要角色的模型，依照書中的內容，您的孩子可以在您的協助下，組裝出七種動物與十三種軌道的模型。在孩子組裝模型的同時，他們可以認識各種不同種類的動物；同時也能認識各式各樣的軌道。大尺寸及色彩鮮艷的塑膠積木零件，讓幼兒的小手可以輕易的組裝出各個不同的模型。

組裝模型是以搭建的方式一個步驟接一個步驟地進行，這需要一點的練習及耐心。當孩子需要您的幫忙時請家長協助他，但同時也讓他們自己試著去組裝出模型。您的孩子會很樂意有您的幫忙，特別是在遇到某些困難點時。

我們希望您及您的孩子都可以獲得組裝、探索及學習的樂趣！

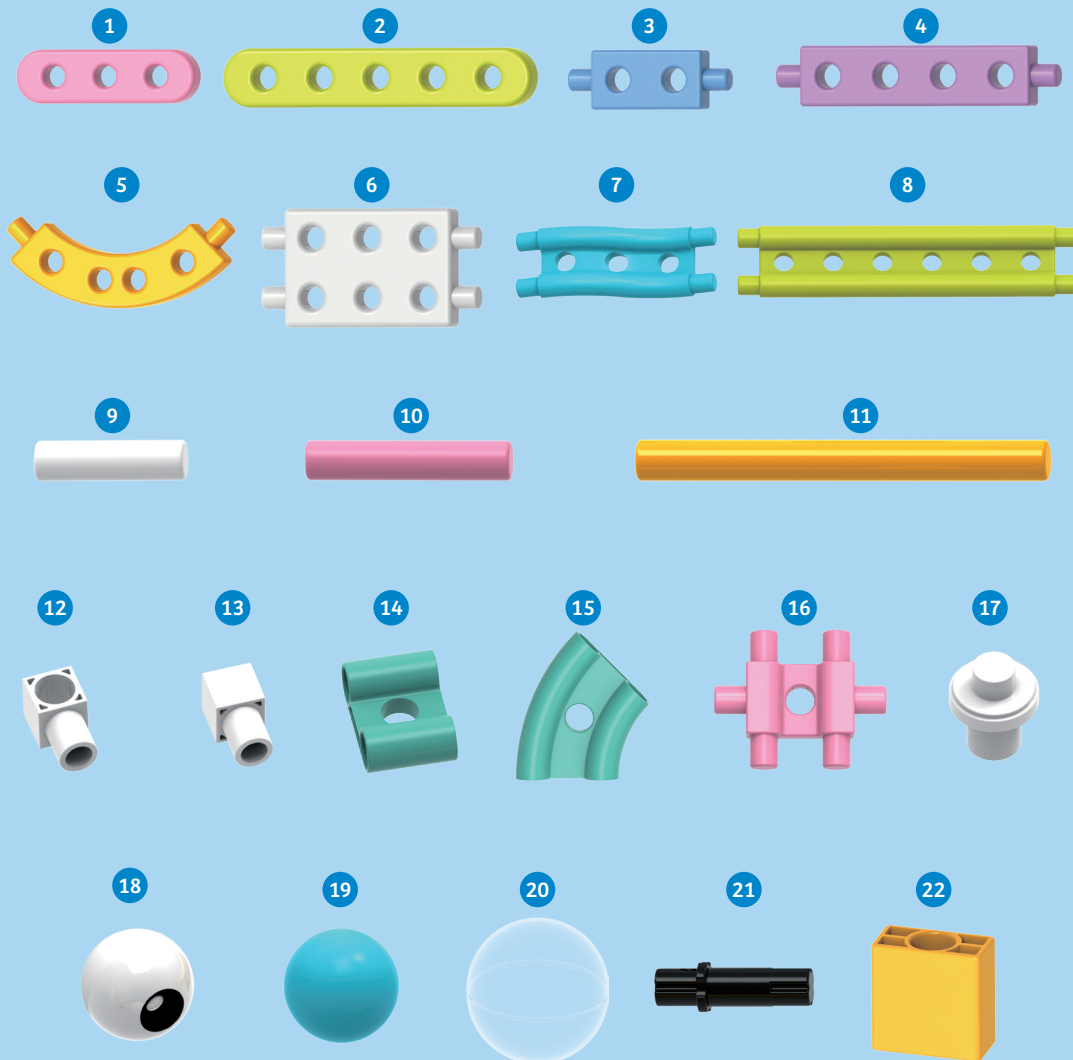
安全資訊

警告：

其中包含細小零件可能被幼童吞嚥或吸入，產生窒息危險。
本套組不適合三歲以下的幼童使用。

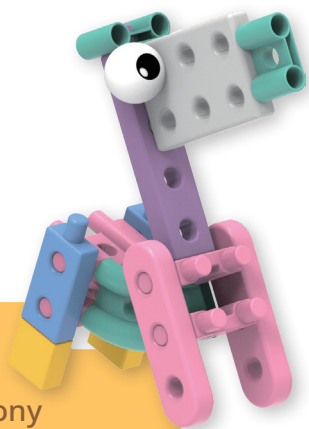
- »» 因內含重要訊息，請將包裝盒與說明書妥善保存。
- »» 請將實驗材料和組裝模型存置在幼童無法取得之處。
- »» 請在室內環境中遊玩，勿在沙坑中使用本套組的模型。

你的零件表裡面有什麼零件呢？What's inside your experiment kit:



號碼 No.	描述	Description	數量 Qty.	品號 Item No
1	A-3孔圓長條	A-3 HOLE ROUND ROD	2	7330-W11-E1PK1
2	A-5孔圓長條	A-5 HOLE ROUND ROD	4	7330-W11-D1G2
3	A-2孔長條	A-2 HOLE ROD	2	7330-W11-H1B1
4	A-4孔長條	A-4 HOLE ROD	2	7330-W11-I1P
5	A-4孔1/4弧長條	A-4 HOLE BENDED ROD	2	7330-W11-J1O
6	A-2×3孔長方框	A-2×3 HOLE BASE	4	7330-W11-C1S
7	A-3孔斜坡軌道	A-SLIDE TRACK	2	7330-W11-N1B
8	A-6孔直線軌道	A-6 HOLE TRACK	4	7330-W11-K1G1
9	A-60mm圓棒	A-60mm CONNECTOR	2	7330-W11-X1W
10	A-80mm圓棒	A-80mm CONNECTOR	4	7330-W11-A1PK1
11	A-160mm圓棒	A-160mm CONNECTOR	2	7330-W11-B1O
12	A-90度結合器	A-LATERAL PEG	2	7331-W10-M1W
13	A-直線結合器	A-FRONT PEG	2	7413-W10-V1W
14	A-軌道結合器	A-TRACK CONNECTOR	8	7331-W10-A1G
15	A-1/8弧軌道結合器	A-CURVED TRACK CONNECTOR	2	7331-W10-B1G
16	A-單孔固定軌道	A-1 HOLE TRACK	4	7330-W11-O1PK
17	A-軌道支撐器	A-TRACK HOLDER	2	7331-W10-F1W
18	A-活動眼球	A-EYE	2	7261-W85-A
19	A-50mm圓球	A-50mm BALL	2	7330-W11-Q1B
20	A-58mm扭蛋球	A-CAPSULE BALL	1	7331-W85-G1
21	A-60mmIII軸	A-60mm AXLE III	1	8060-W11-G1D
22	A-單孔結合器	A-ROD CONNECTOR	2	7331-W10-E1O2

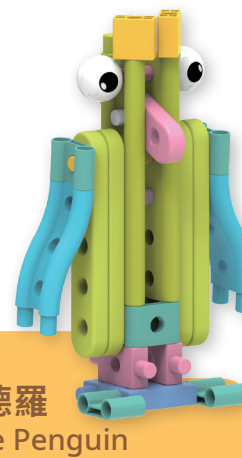
動物模型 All Animal Models



Model 1
小馬波利娜
Paulina the Pony



Model 2
天鵝蘇珊
Susan the Swan



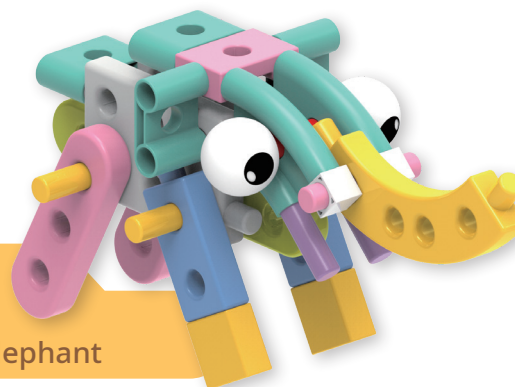
Model 3
企鵝佩德羅
Pedro the Penguin



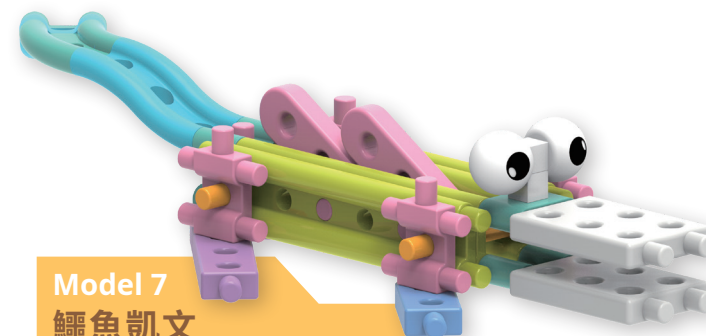
Model 4
小鹿德瑞克
Derek the Deer



Model 5
長頸鹿喬治娜
Georgina the Giraffe

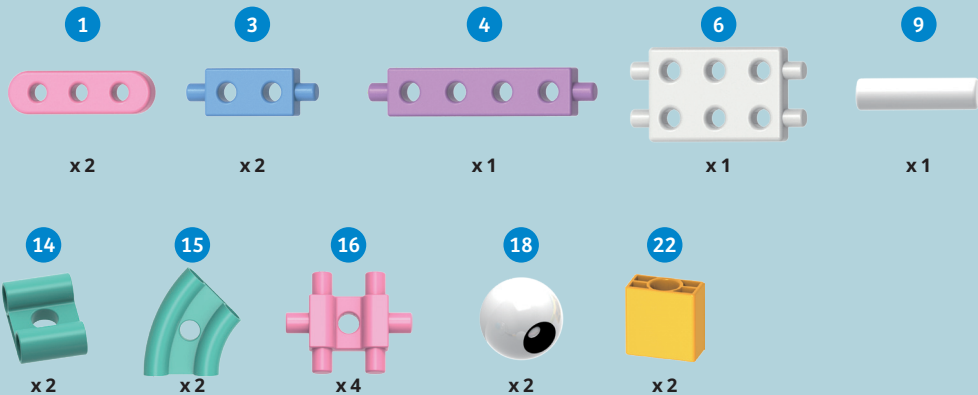


Model 6
大象艾迪
Eddie the Elephant

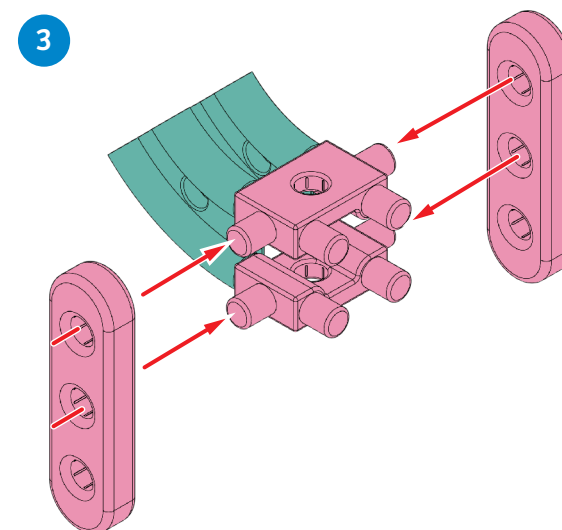
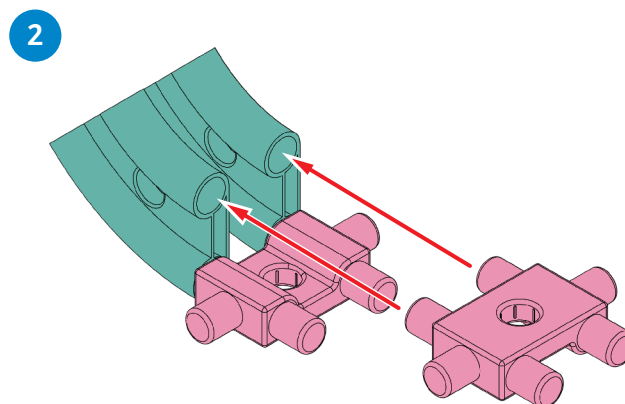
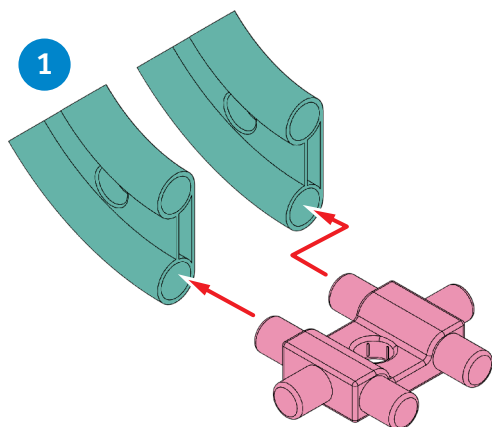
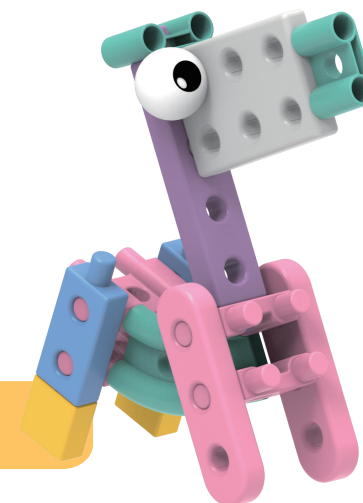


Model 7
鱷魚凱文
Kevin the Crocodile

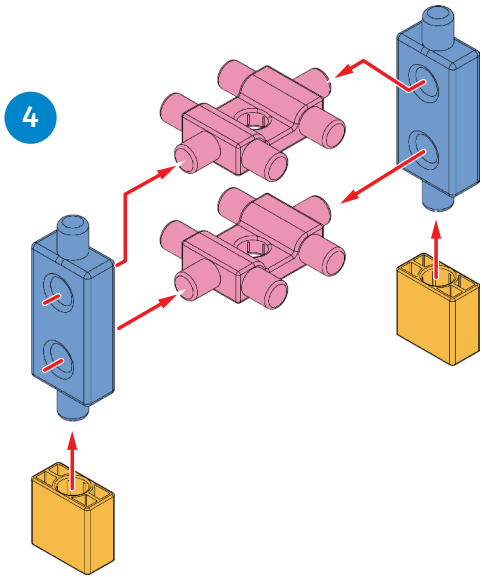
零件清單 Parts Needed



Model 1
小馬波利娜
Paulina the Pony



1 小馬波利娜 Paulina the Pony

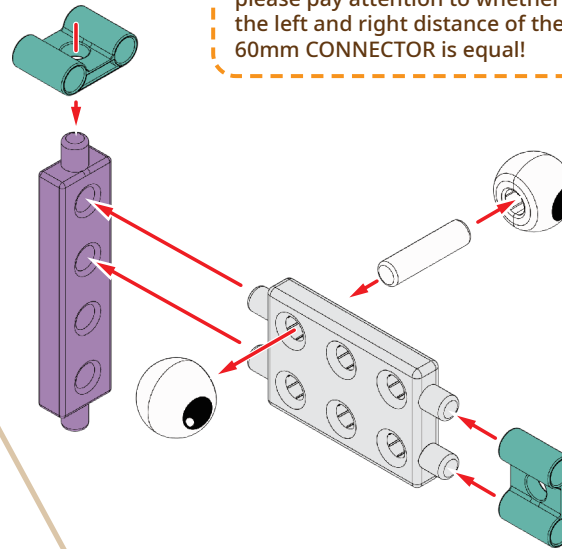


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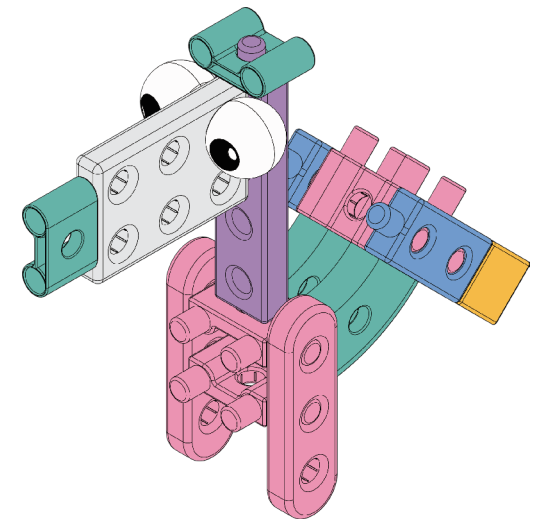
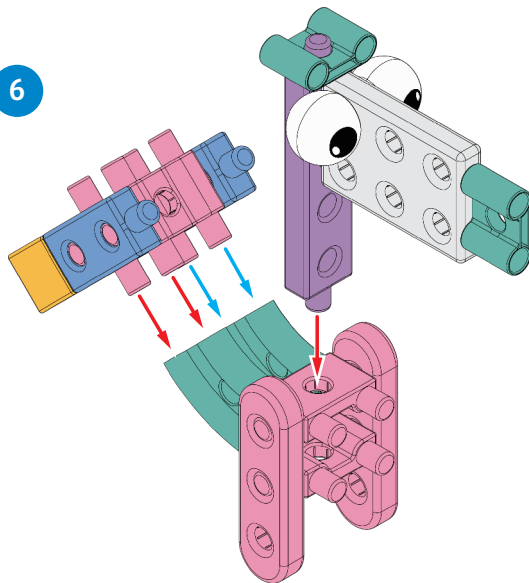
小技巧 TIPS

組裝眼睛前，請注意 60mm
圓棒左右距離是否等長喔！

Before assembling the eyes,
please pay attention to whether
the left and right distance of the
60mm CONNECTOR is equal!

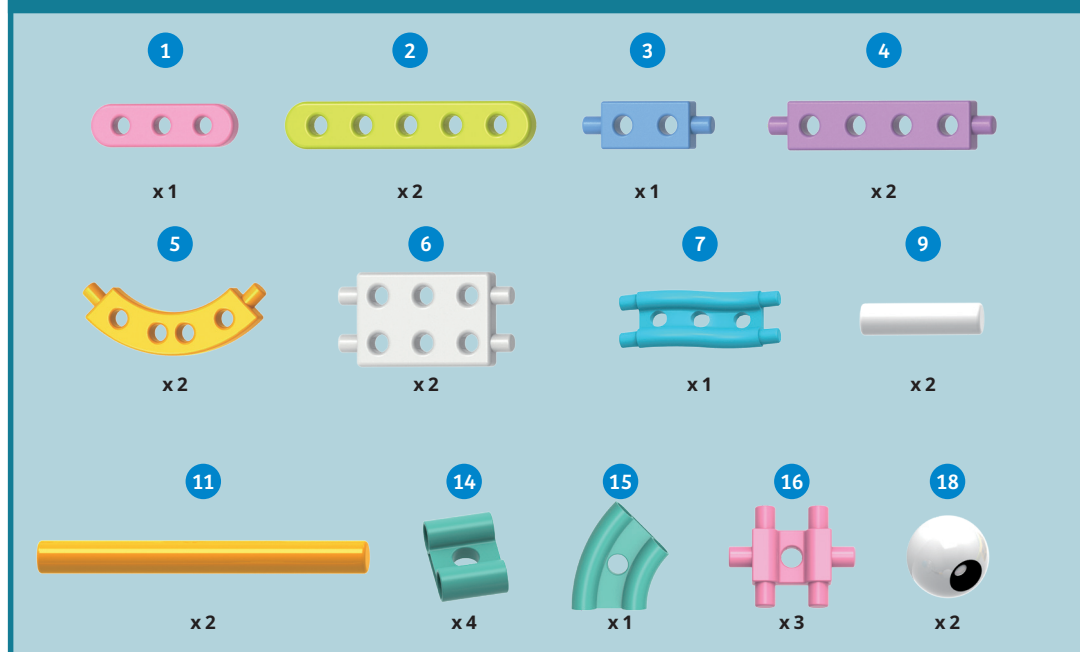


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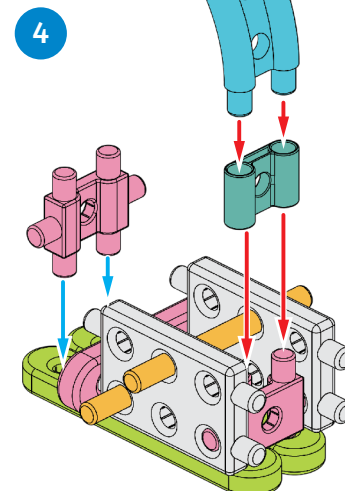
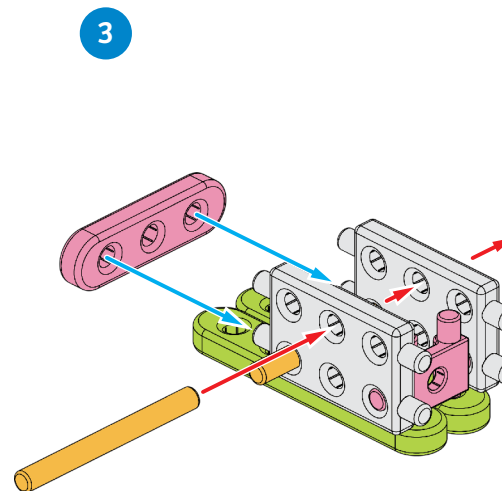
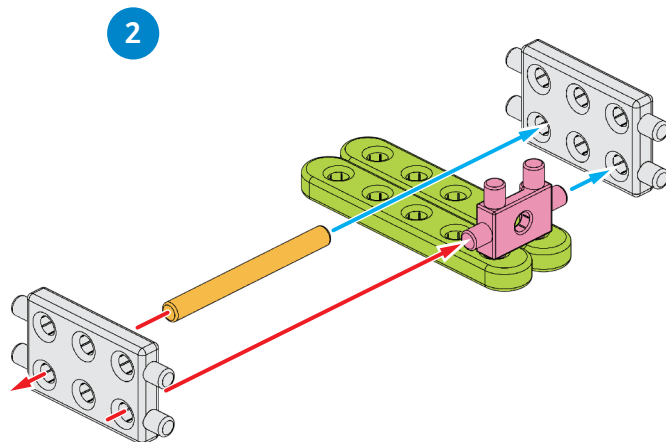
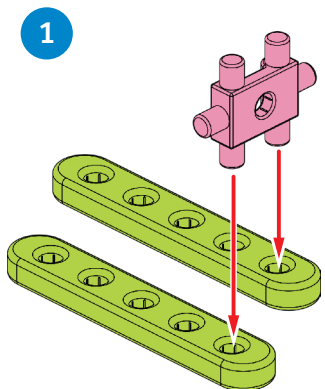


組裝完成囉！
Done!

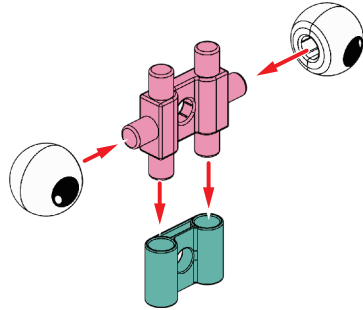
零件清單 Parts Needed



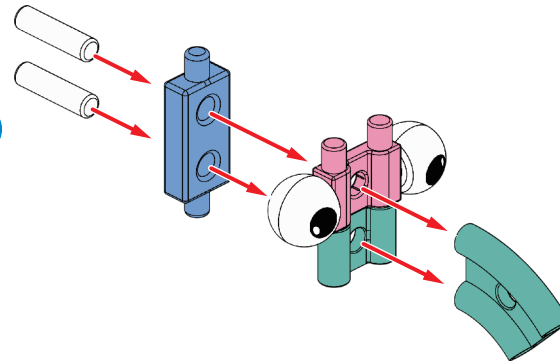
Model 2
天鵝蘇珊
Susan the Swan



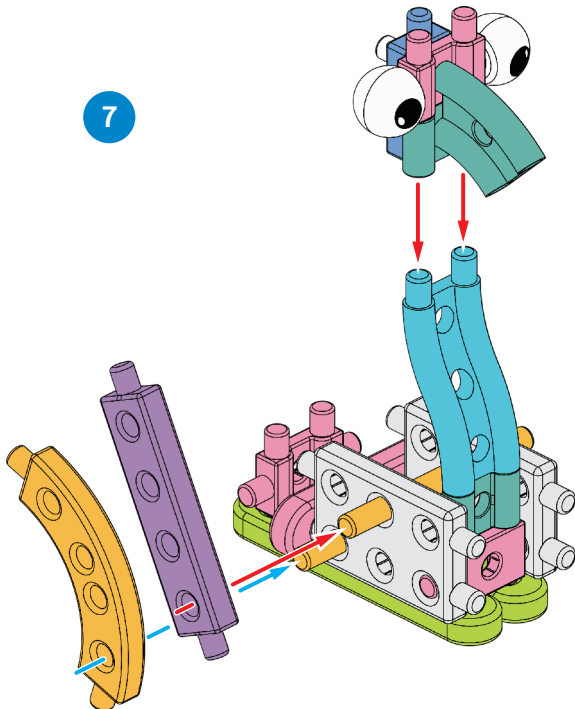
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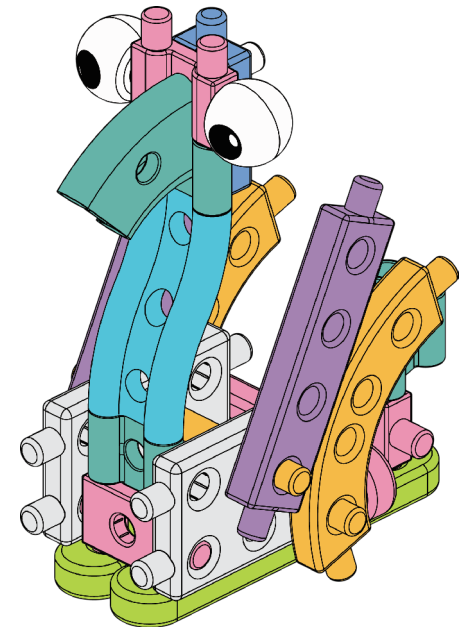
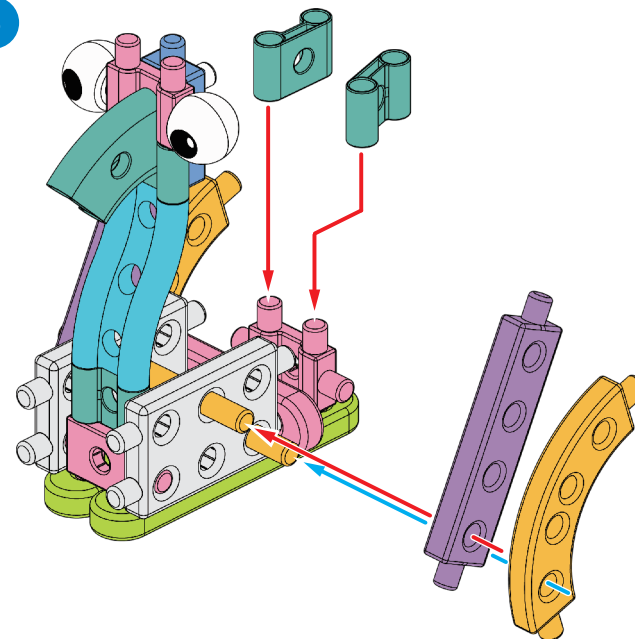
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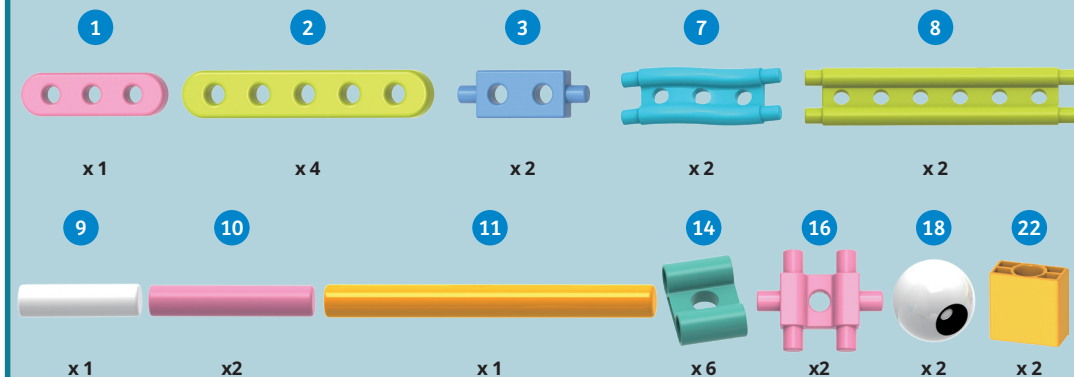


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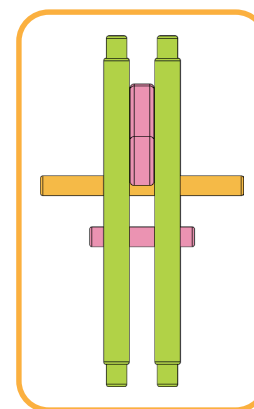
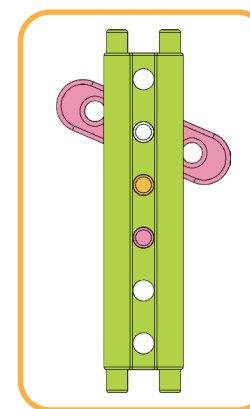
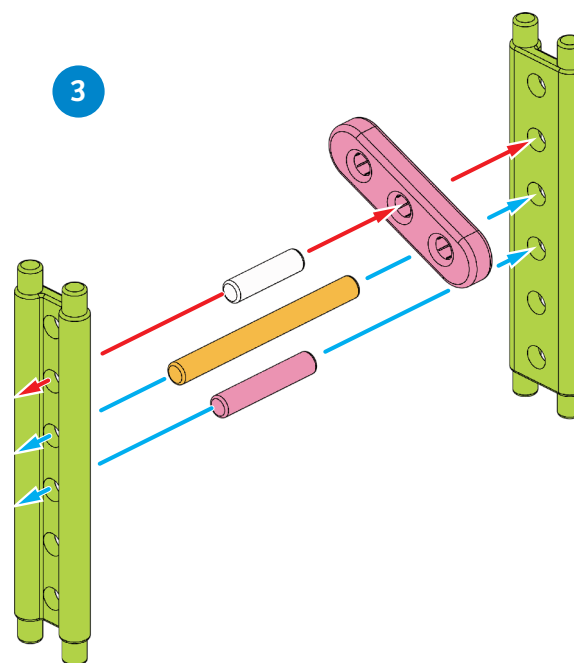
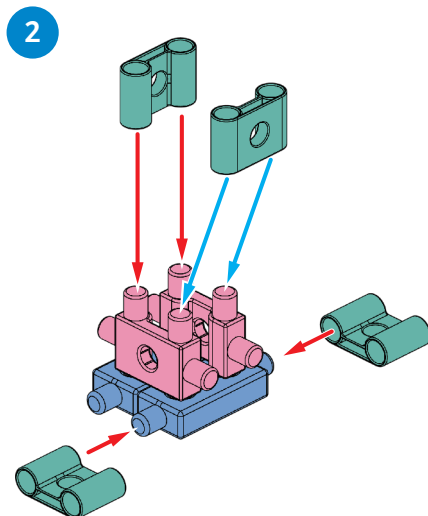
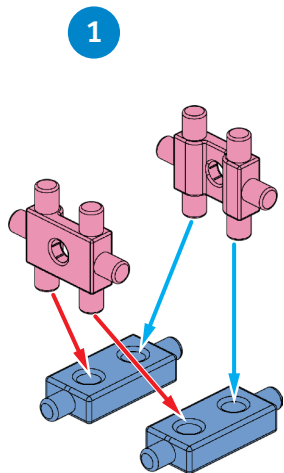
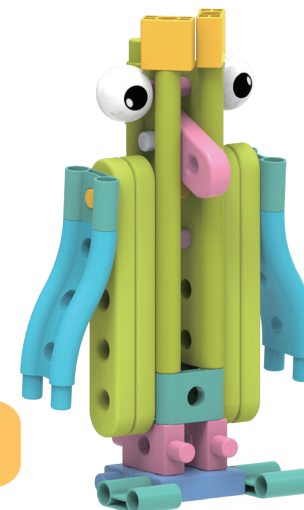


組裝完成囉!
Done!

零件清單 Parts Needed

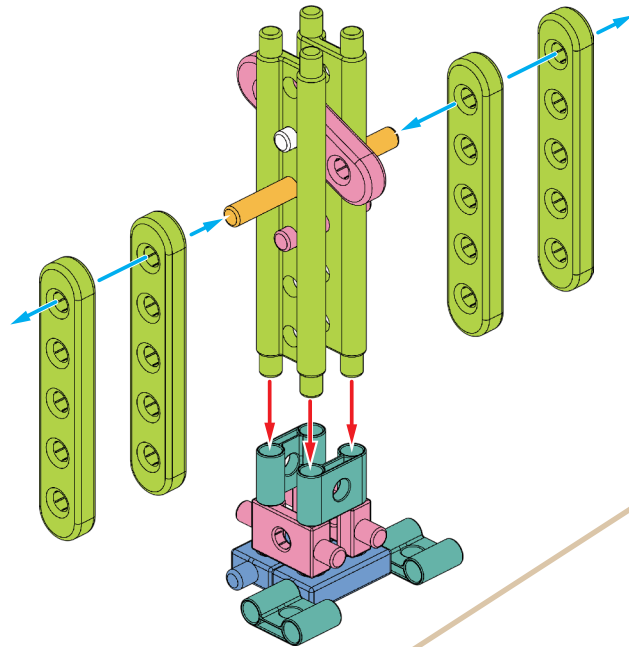


Model 3
企鵝佩德羅
Pedro the Penguin

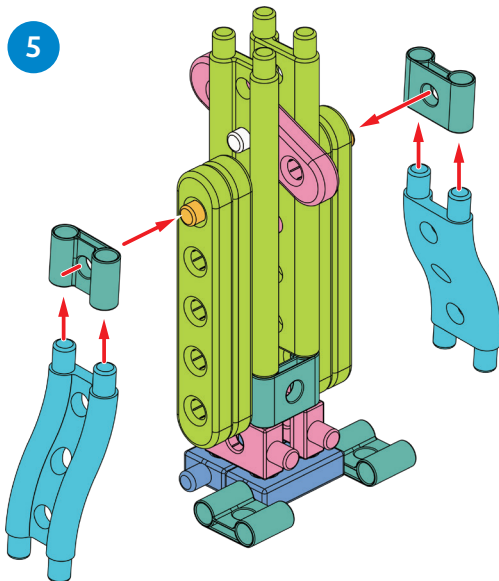


3 企鵝佩德羅 Pedro the Penguin

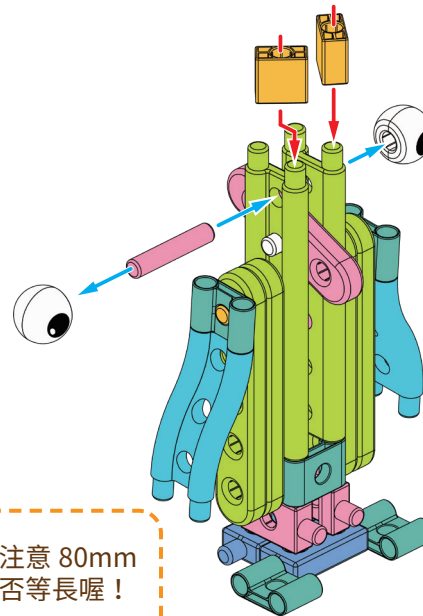
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5



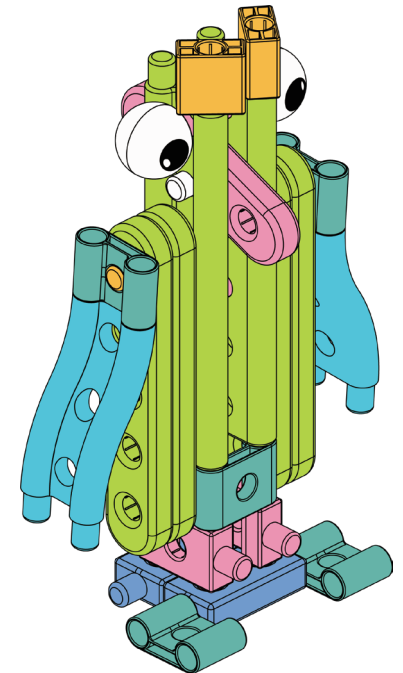
6



小技巧/TIPS

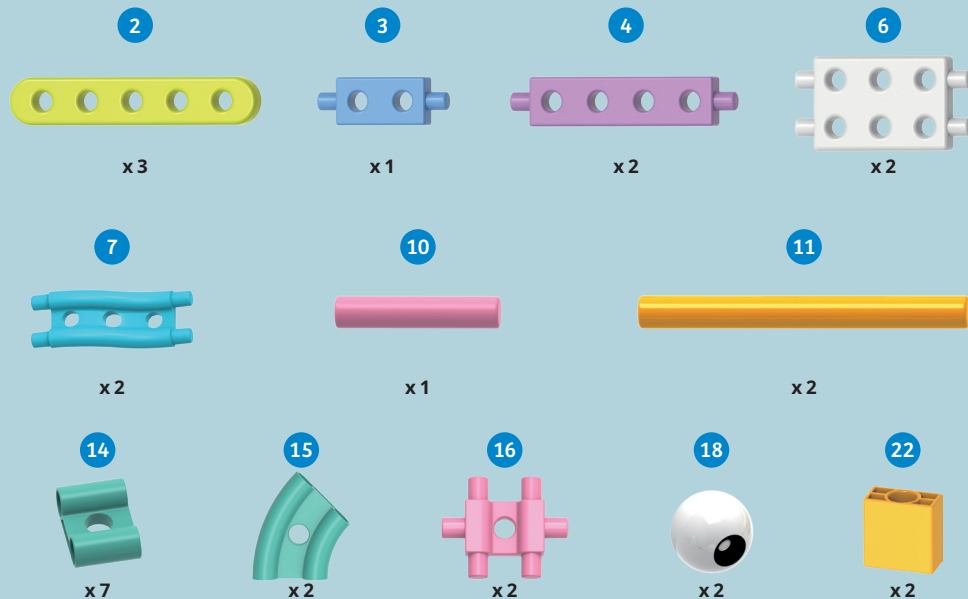
組裝眼睛前，請注意 80mm 圓棒左右距離是否等長喔！

Before assembling the eyes, please pay attention to whether the left and right distance of the 80mm CONNECTOR is equal!

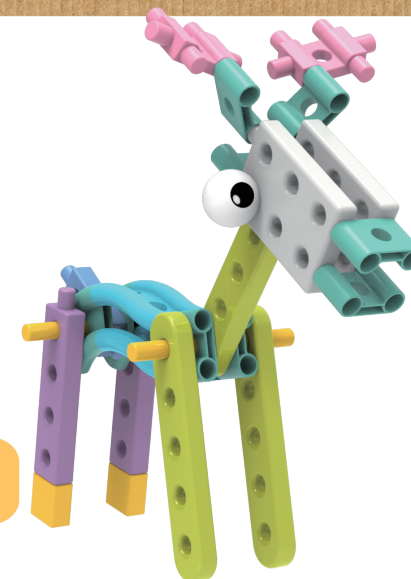


組裝完成囉！
Done!

零件清單 Parts Needed

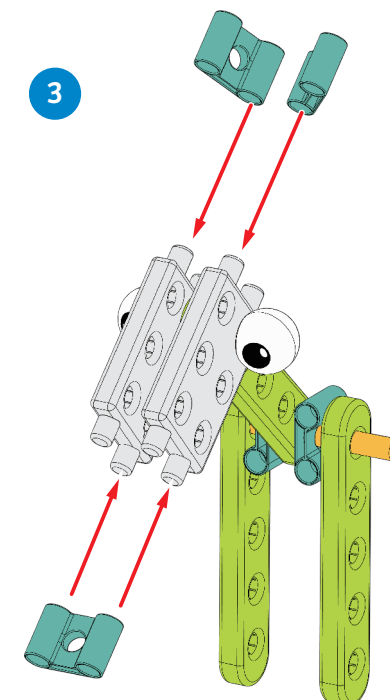
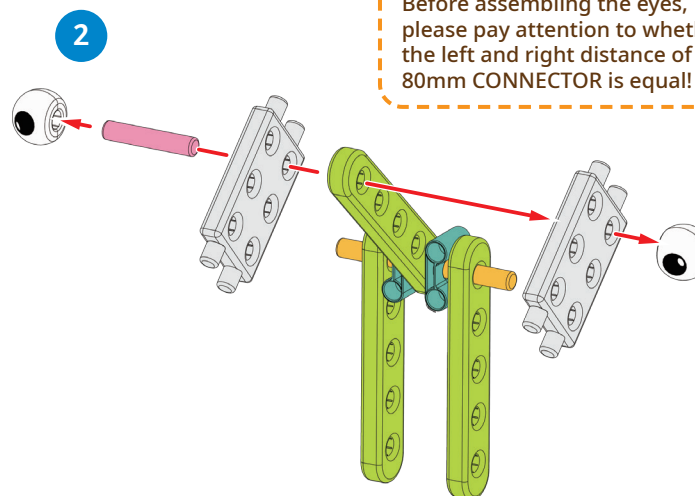
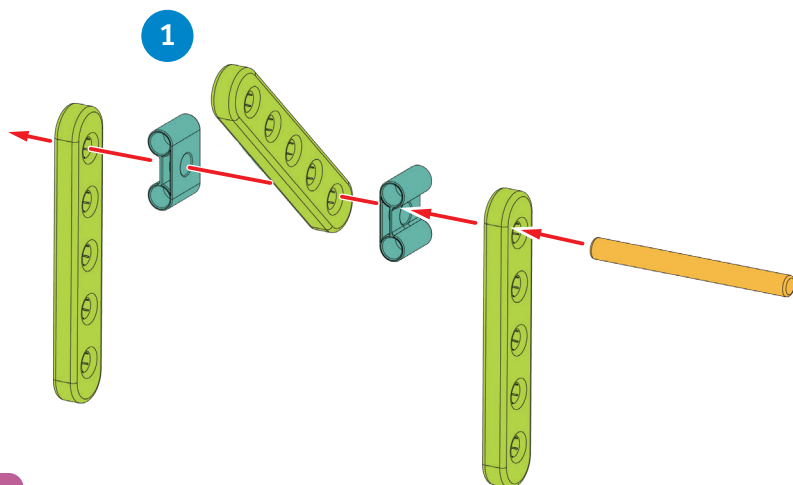


Model 4
小鹿德瑞克
Derek the Deer

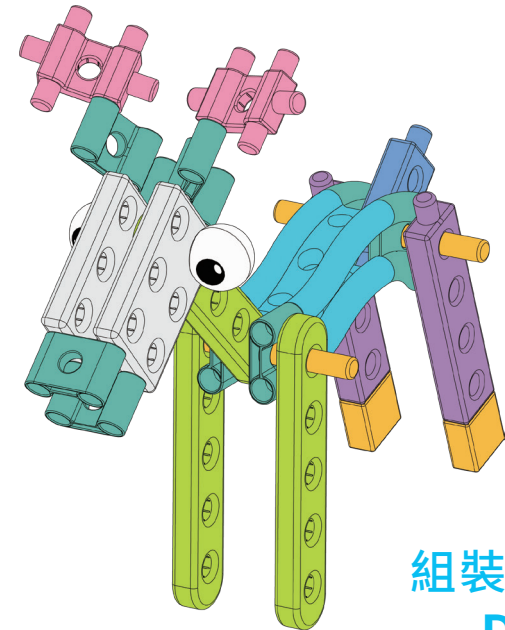
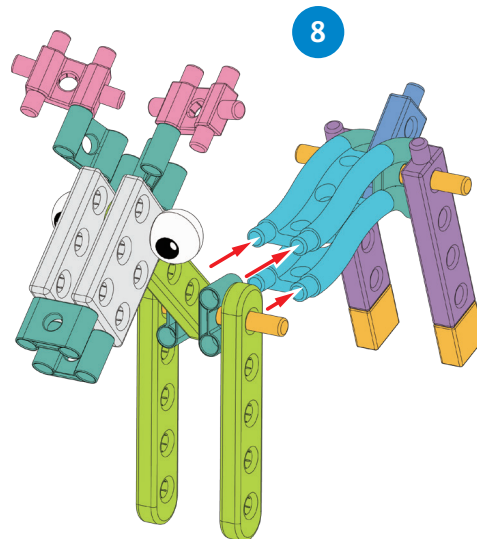
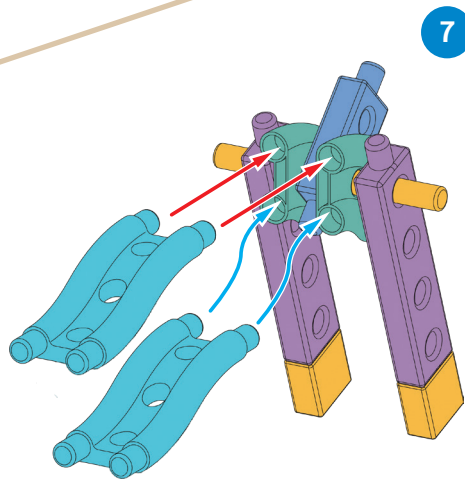
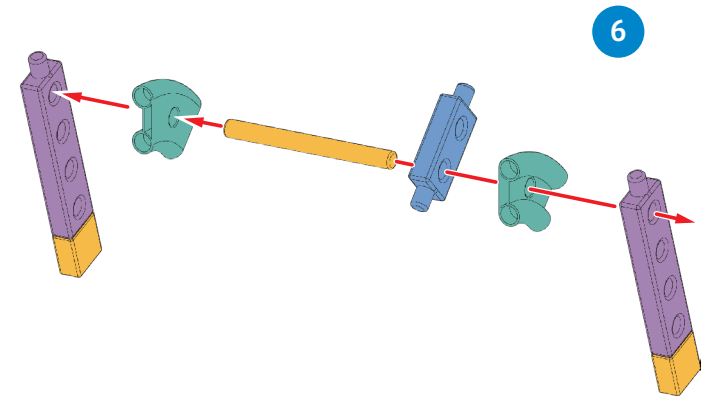
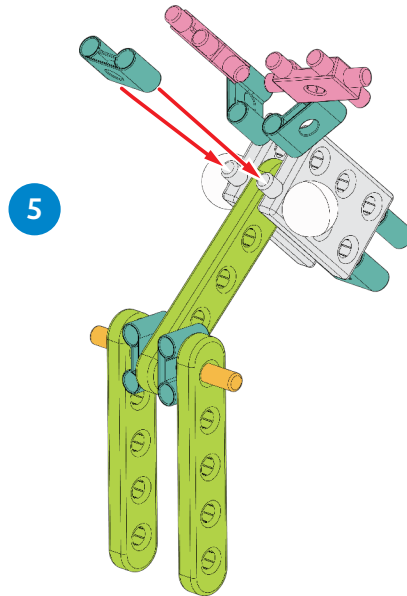
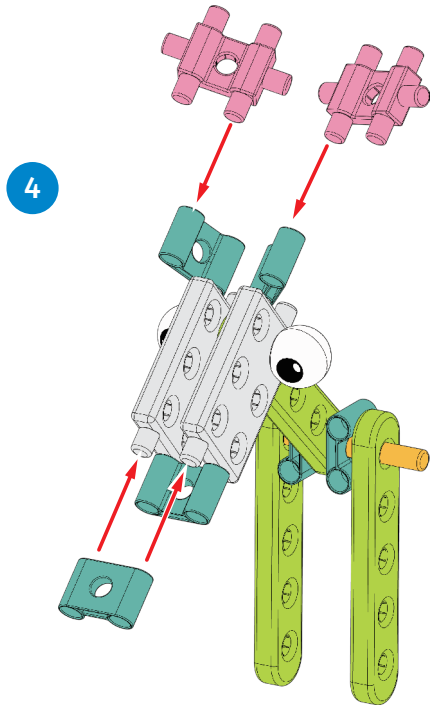


小技巧|TIPS

組裝眼睛前，請注意 80mm 圓棒左右距離是否等長喔！
Before assembling the eyes, please pay attention to whether the left and right distance of the 80mm CONNECTOR is equal!

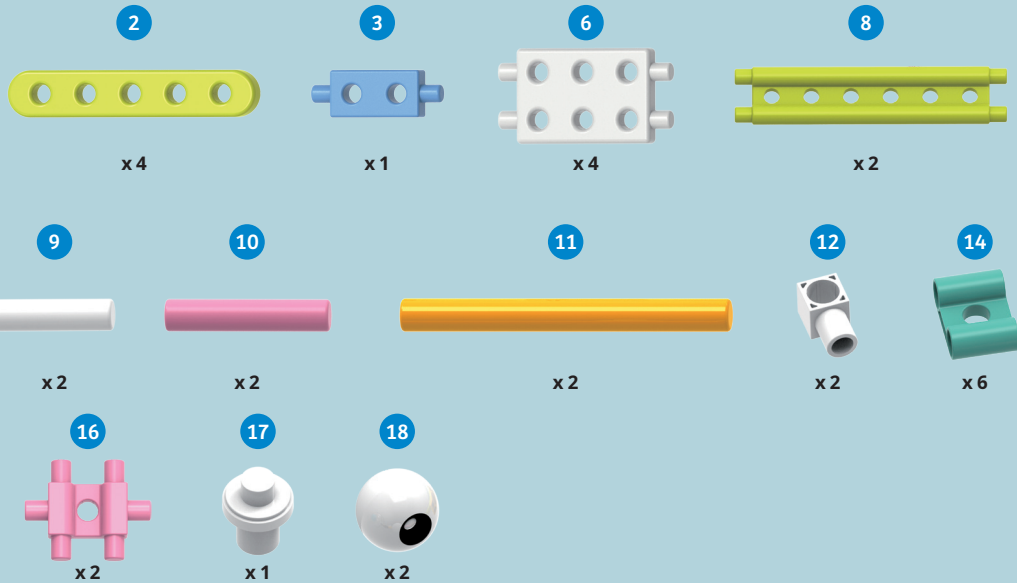


4 小鹿德瑞克 Derek the Deer

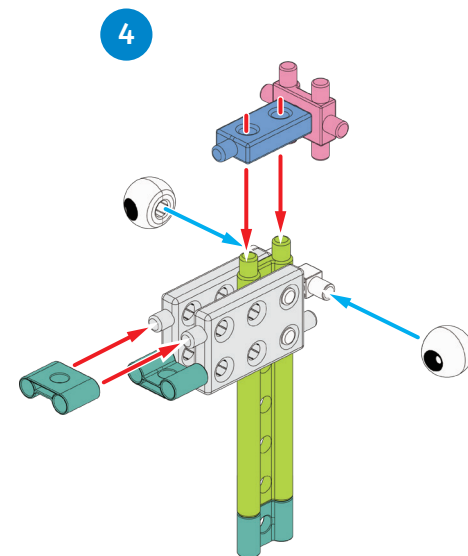
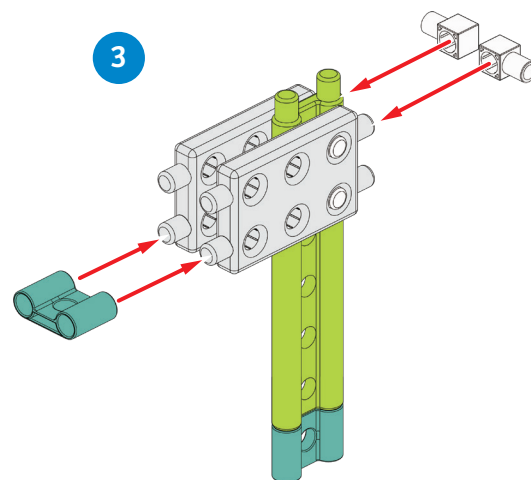
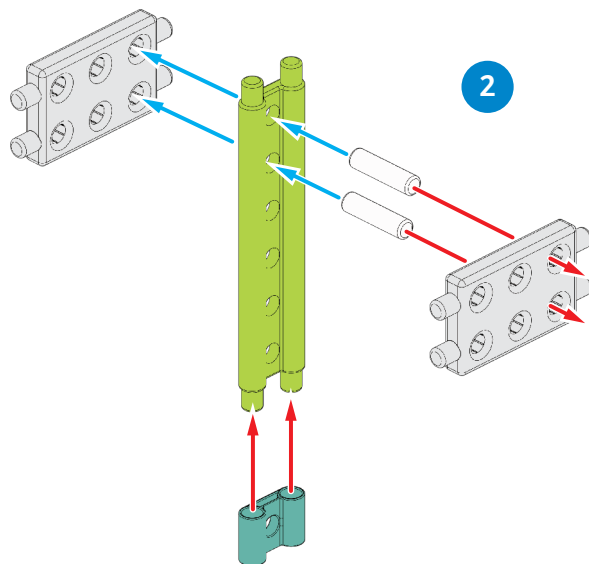
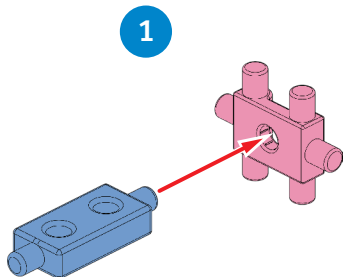


組裝完成囉!
Done!

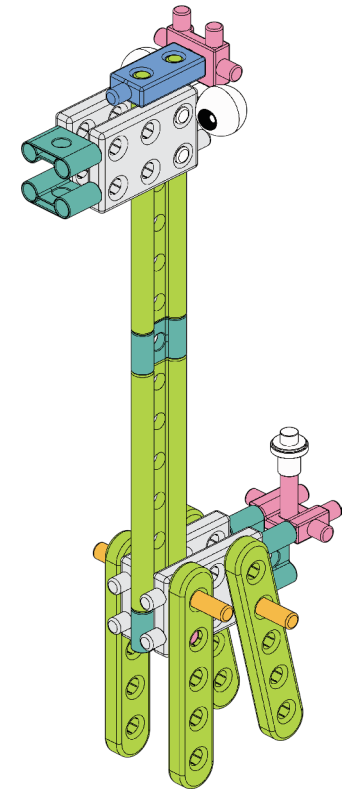
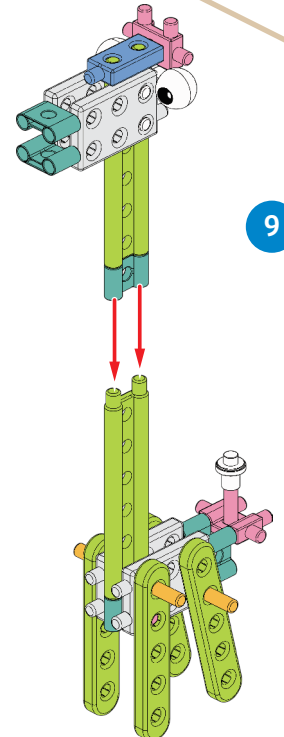
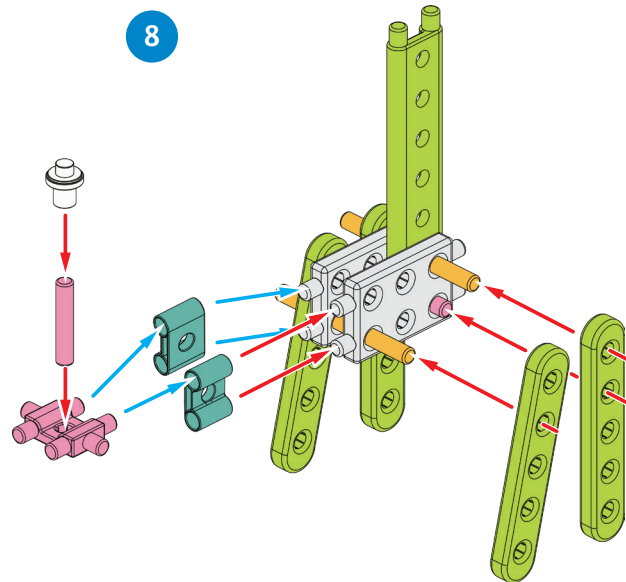
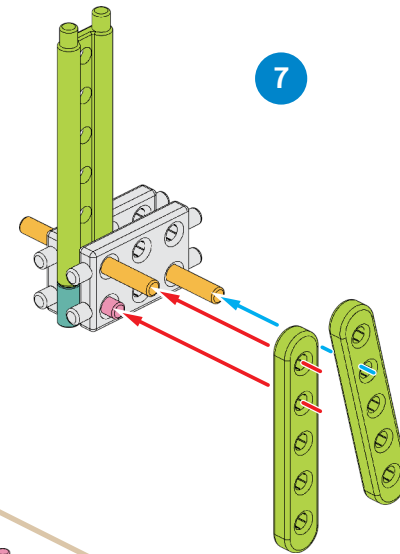
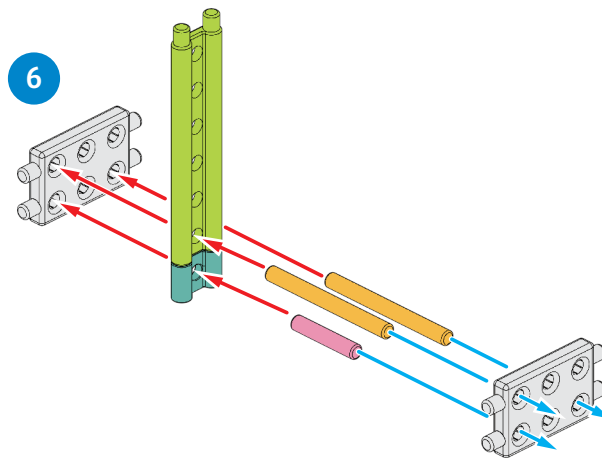
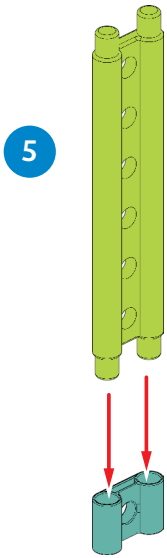
零件清單 Parts Needed



Model 5
長頸鹿喬治娜
Georgina the Giraffe

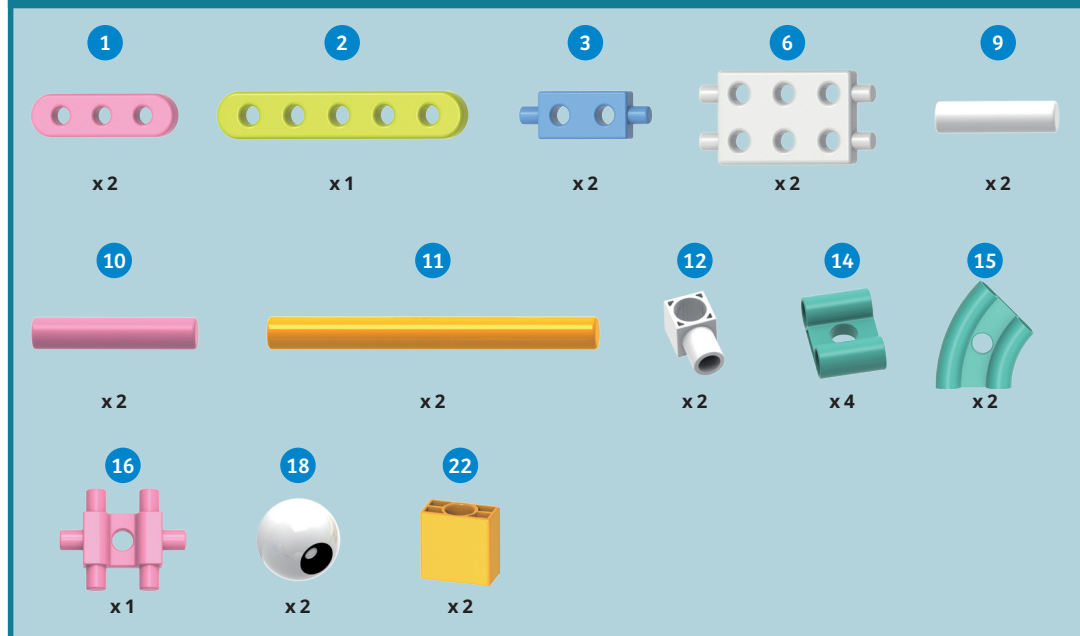


5 長頸鹿喬治娜 Georgina the Giraffe

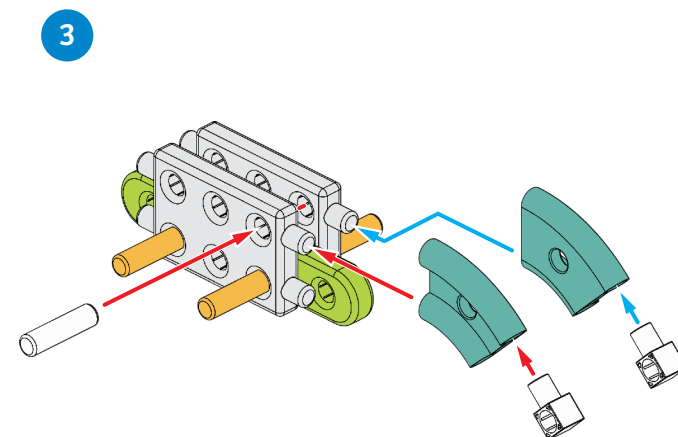
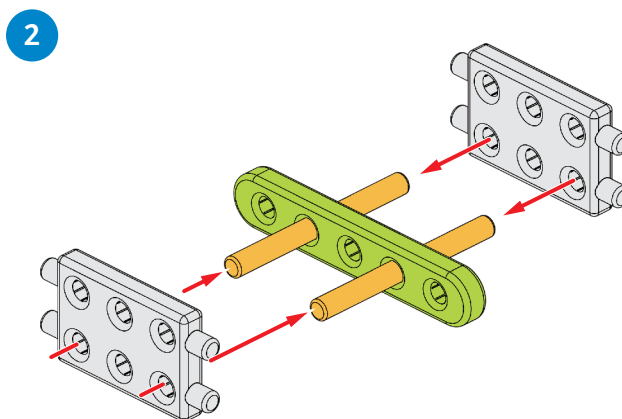
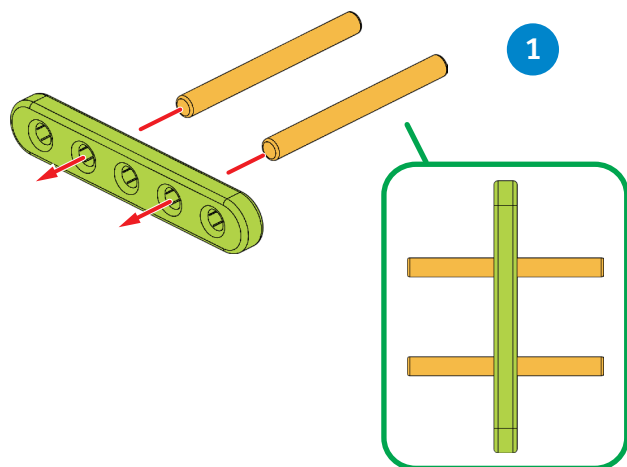
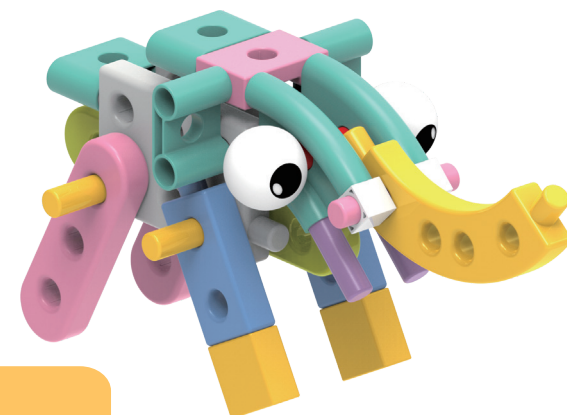


組裝完成囉!
Done!

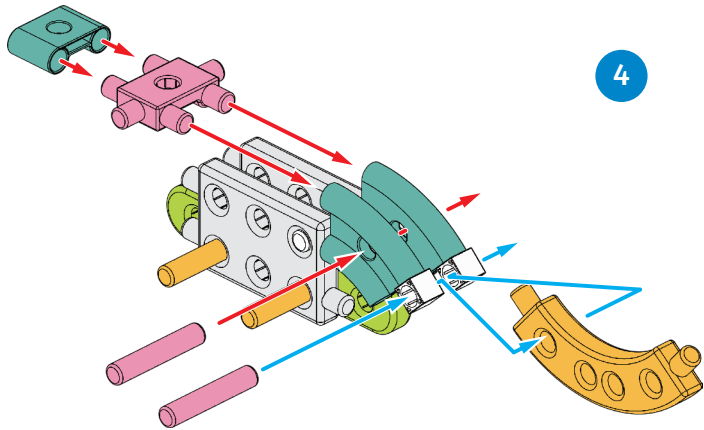
零件清單 Parts Needed



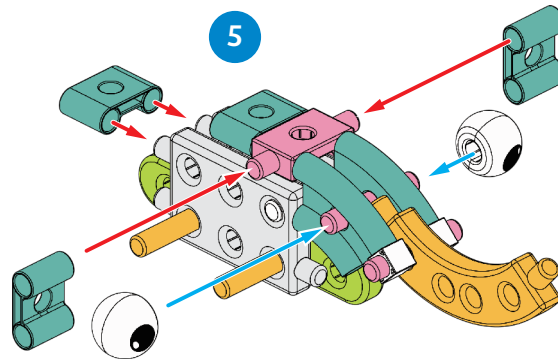
Model 6
大象艾迪
Eddie the Elephant



6 大象艾迪 Eddie the Elephant



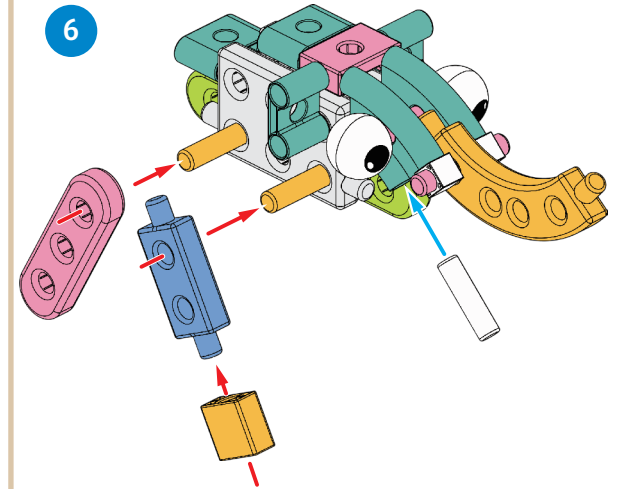
4



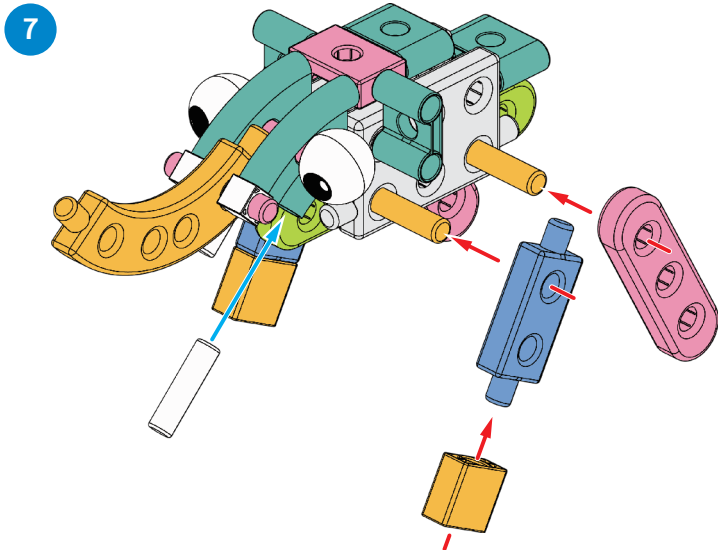
5

小技巧 TIPS

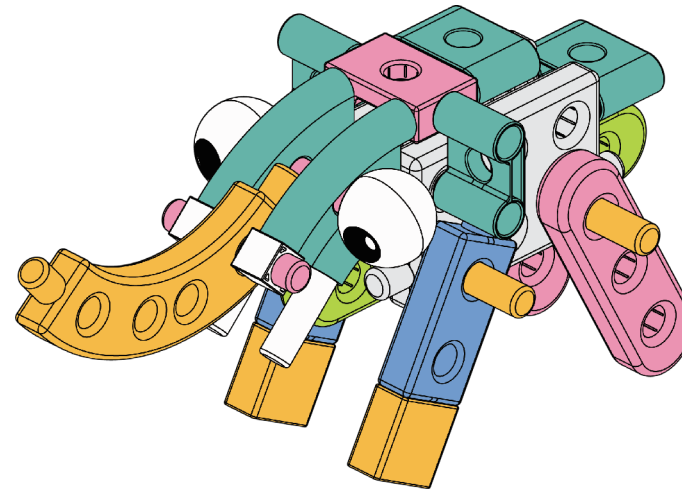
組裝眼睛前，請注意 80mm 圓棒左右距離是否等長喔！
Before assembling the eyes, please pay attention to whether the left and right distance of the 80mm CONNECTOR is equal!



6

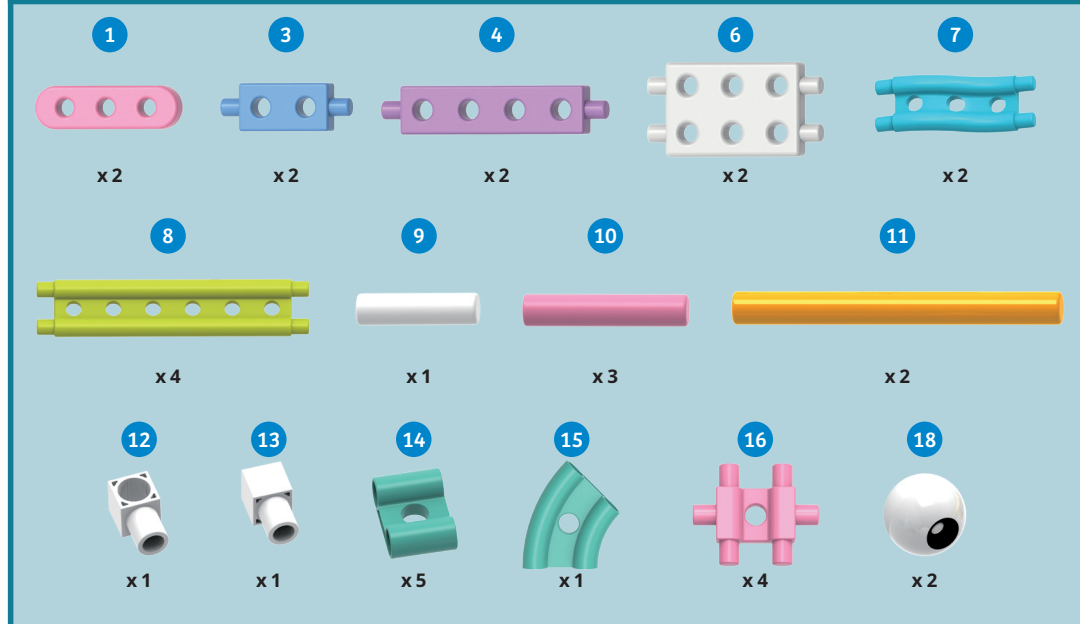


7

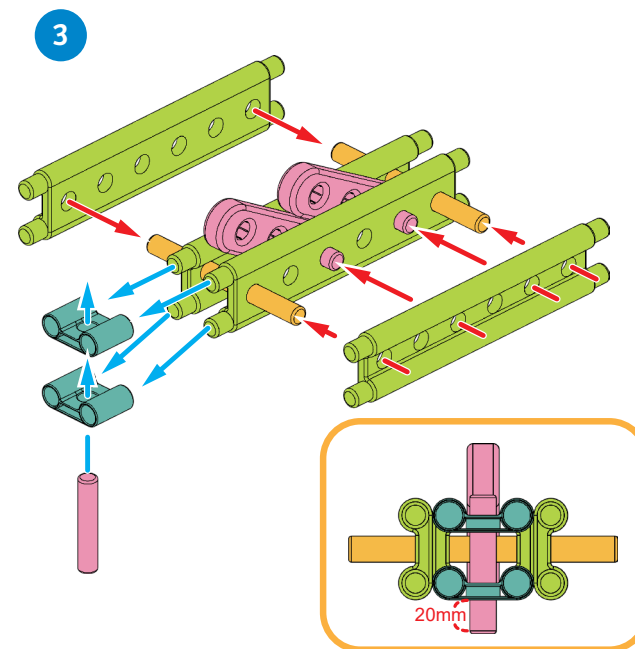
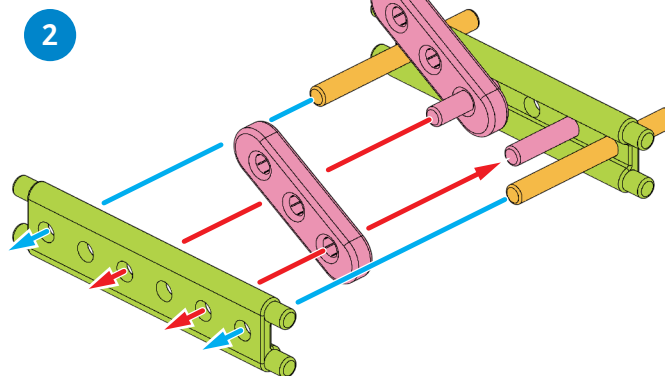
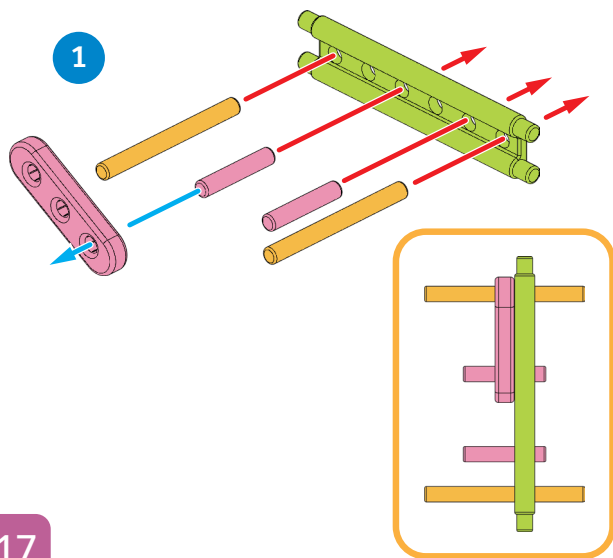
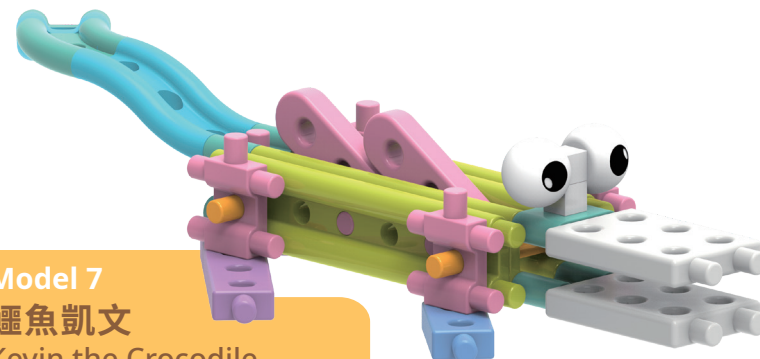


組裝完成囉！
Done!

零件清單 Parts Needed

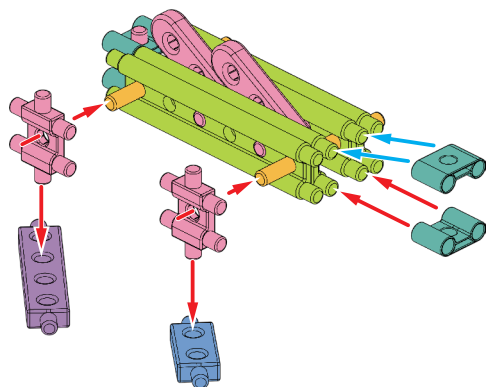


Model 7
鱷魚凱文
Kevin the Crocodile

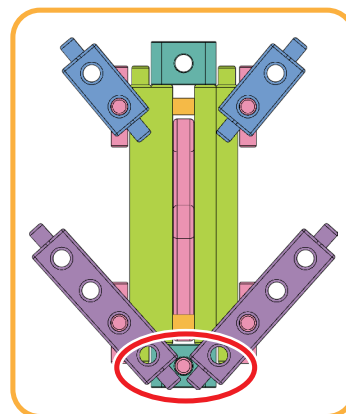
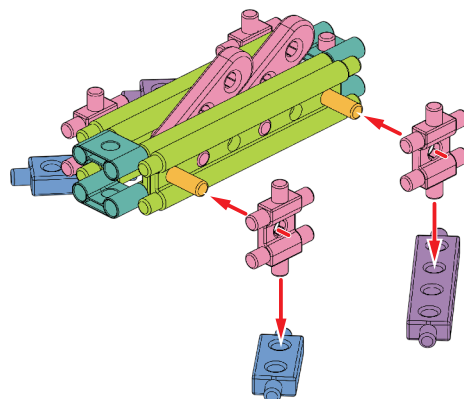


7 鱷魚凱文 Kevin the Crocodile

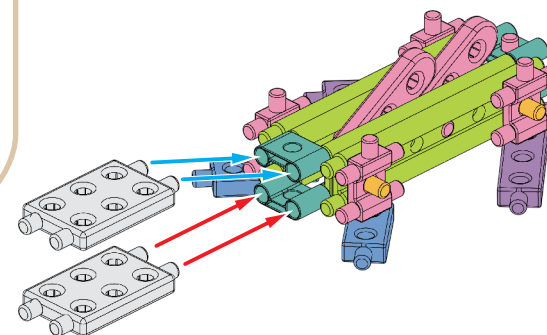
4



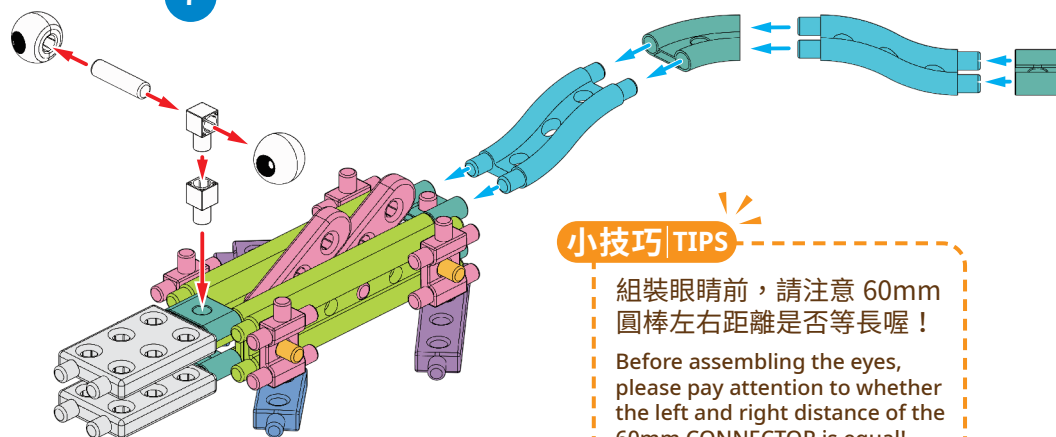
5



6



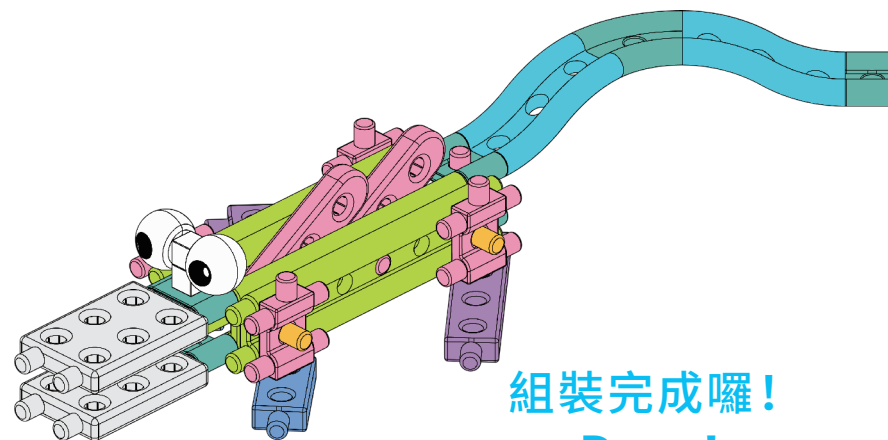
7



小技巧 TIPS

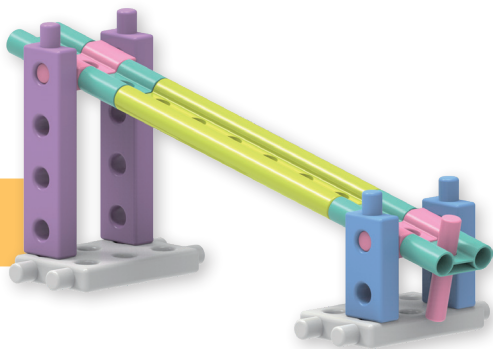
組裝眼睛前，請注意 60mm 圓棒左右距離是否等長喔！

Before assembling the eyes, please pay attention to whether the left and right distance of the 60mm CONNECTOR is equal!



組裝完成囉！
Done!

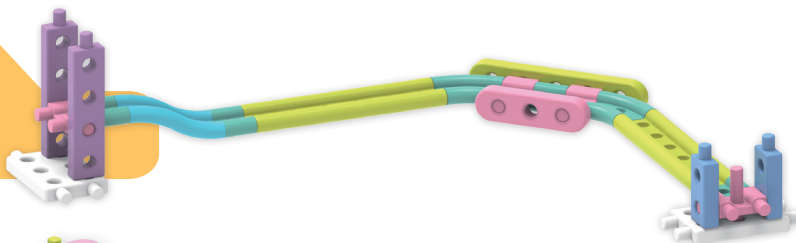
Model 8
基礎軌道
Basic Track



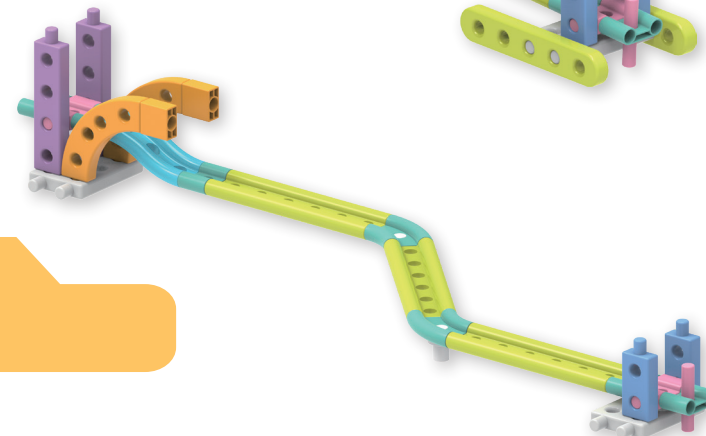
Model 9
直線軌道
Straight Track



Model 10
彎道軌道
Curve Track



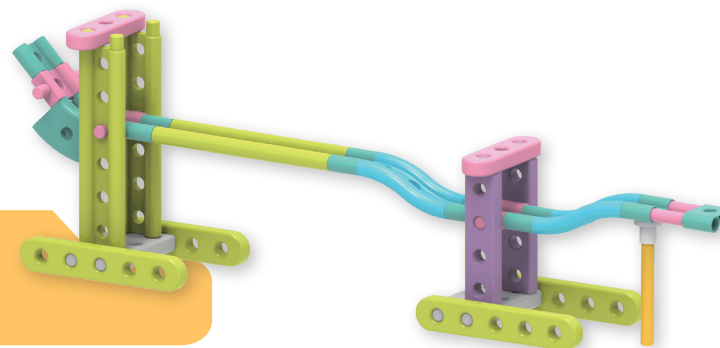
Model 11
曲形軌道
Curved Track

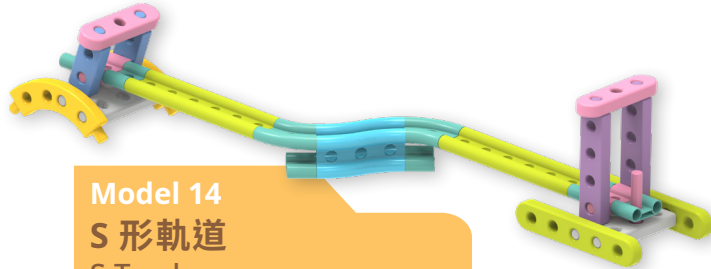


Model 12
連續下坡軌道
Continuous Downhill Track

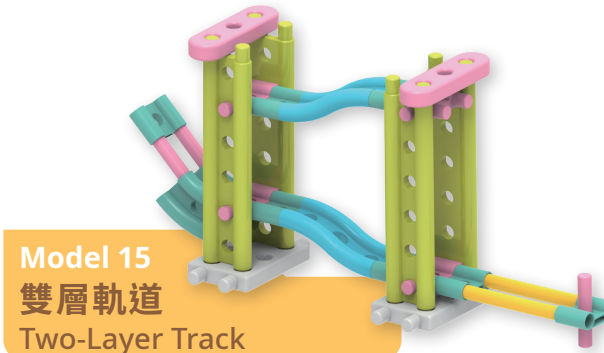


Model 13
U 形軌道
U-Track





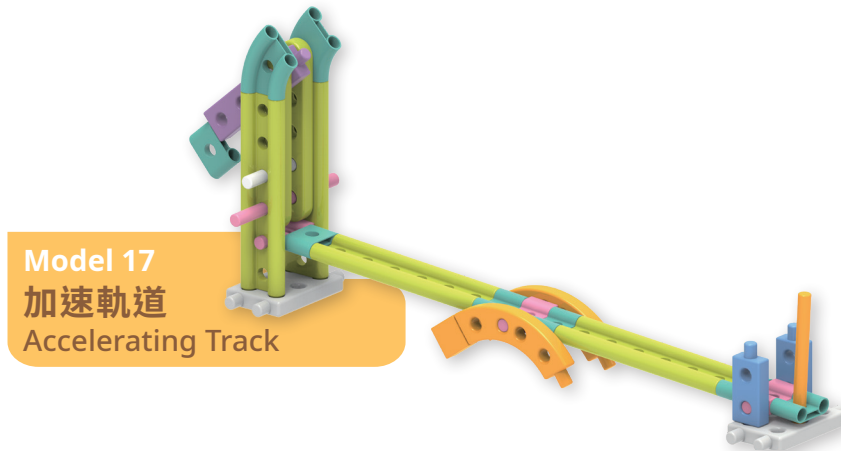
Model 14
S 形軌道
S-Track



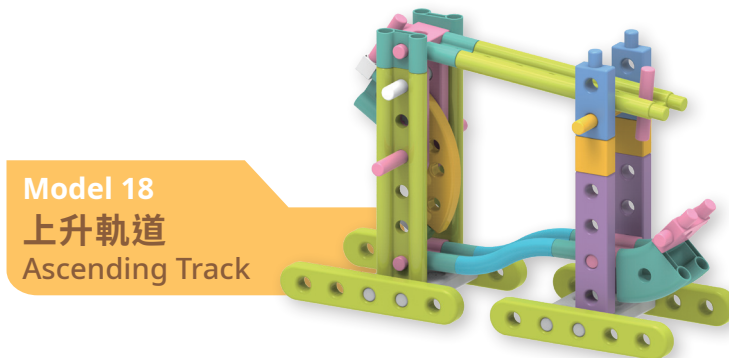
Model 15
雙層軌道
Two-Layer Track



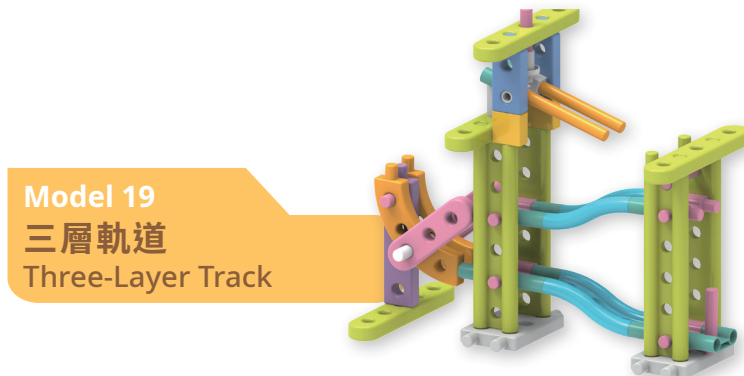
Model 16
跳躍軌道
Jumping Track



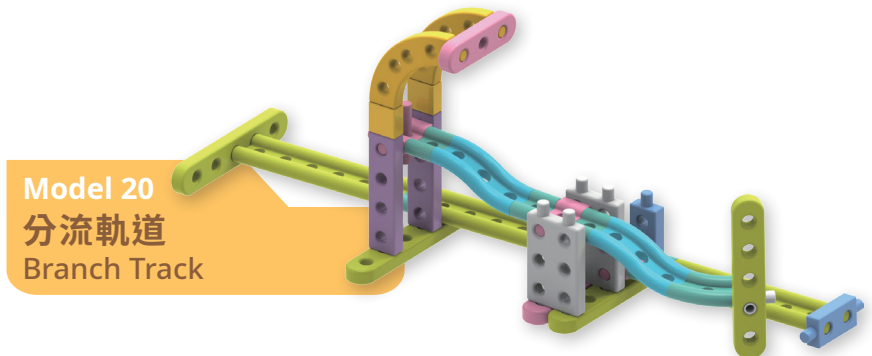
Model 17
加速軌道
Accelerating Track



Model 18
上升軌道
Ascending Track

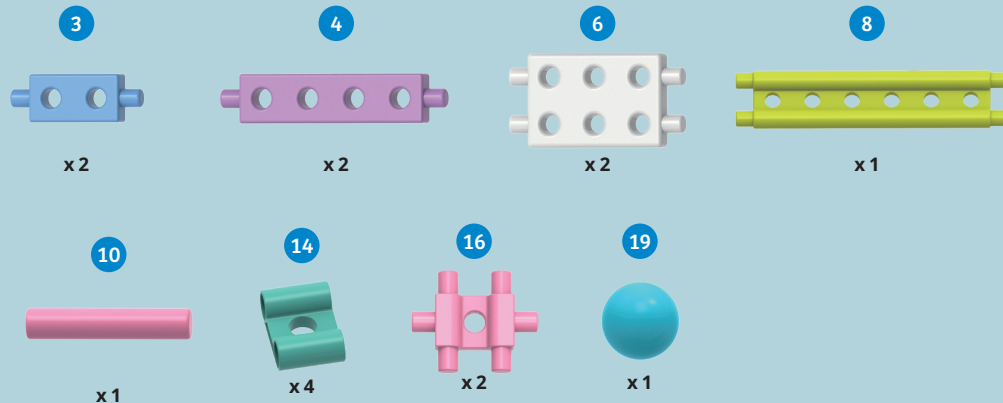


Model 19
三層軌道
Three-Layer Track

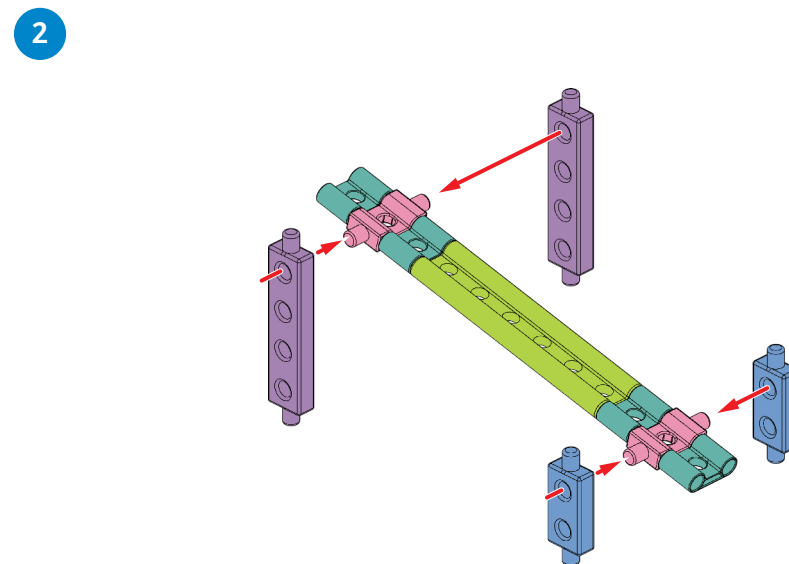
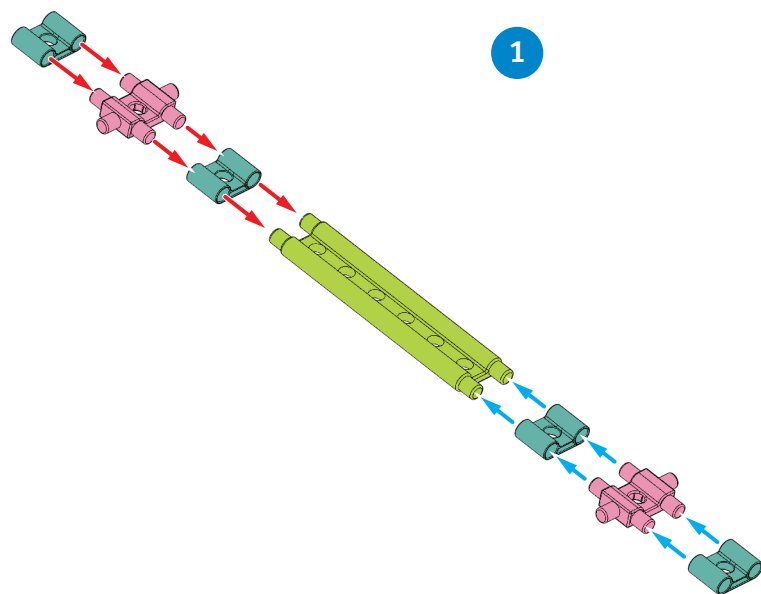
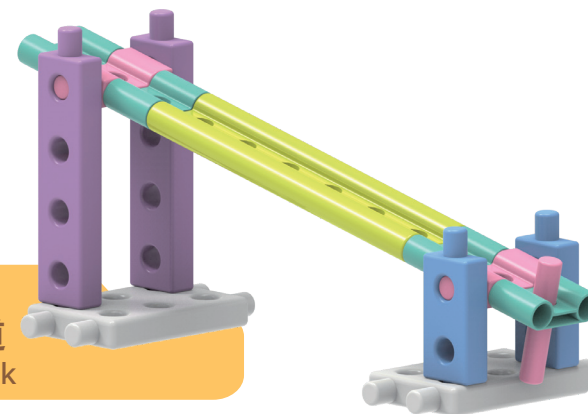


Model 20
分流軌道
Branch Track

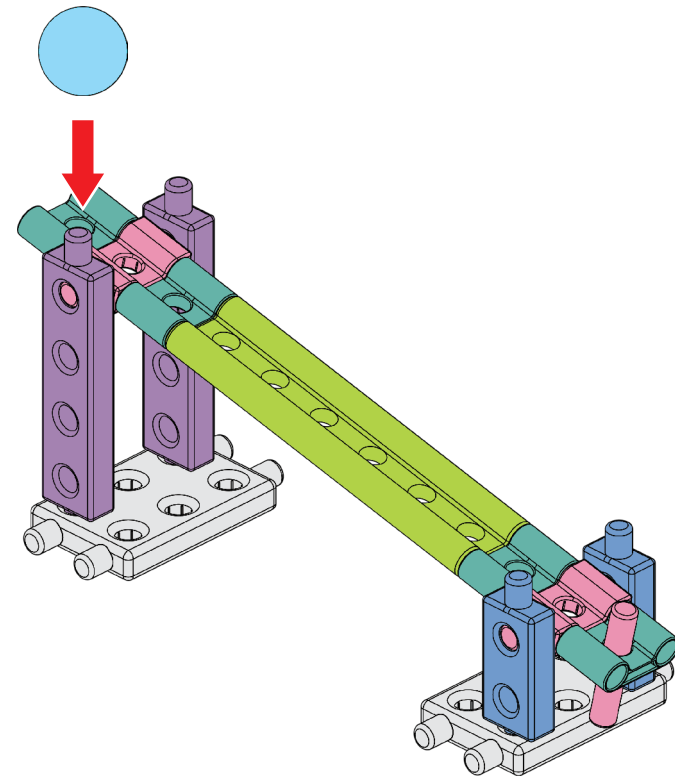
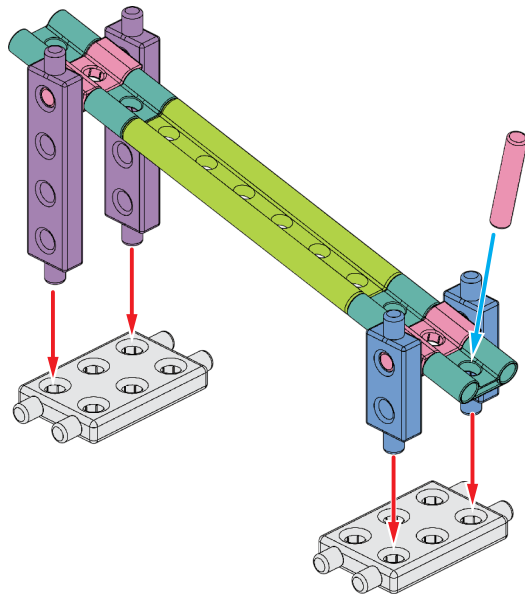
零件清單 Parts Needed



Model 8
基礎軌道
Basic Track

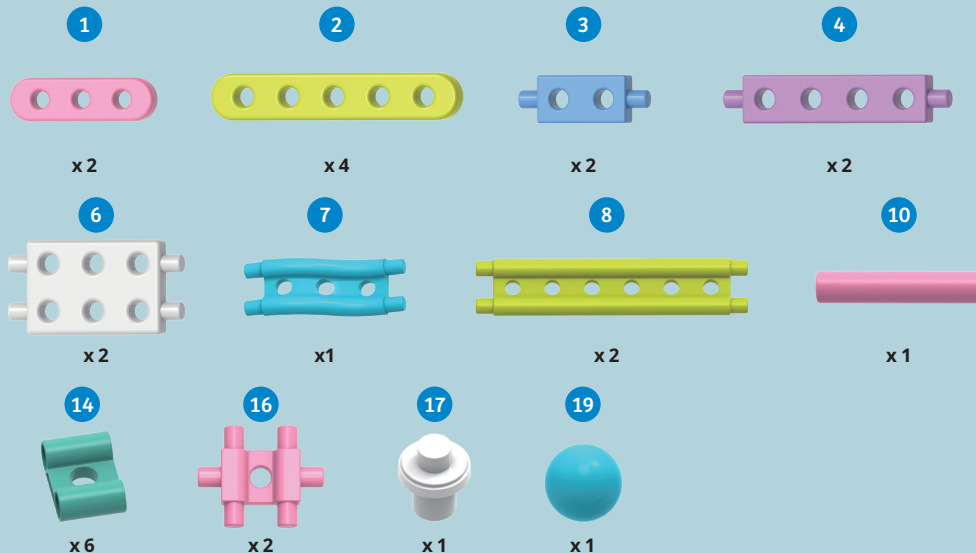


3

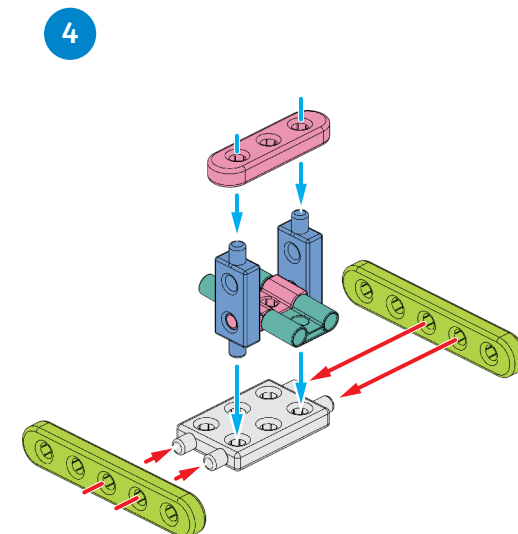
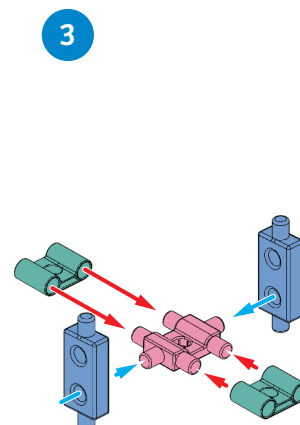
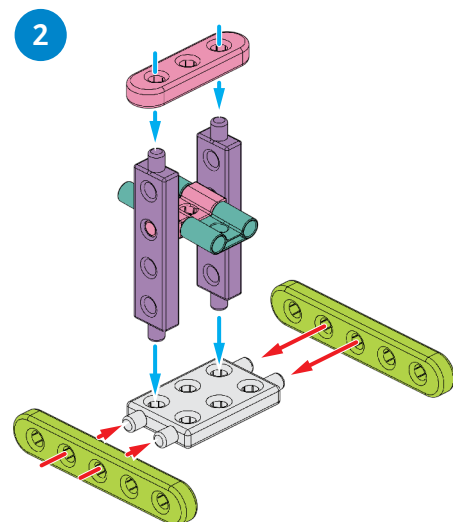
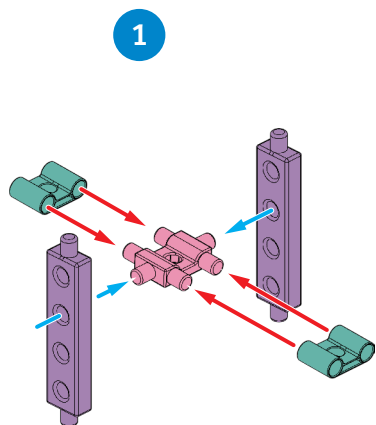
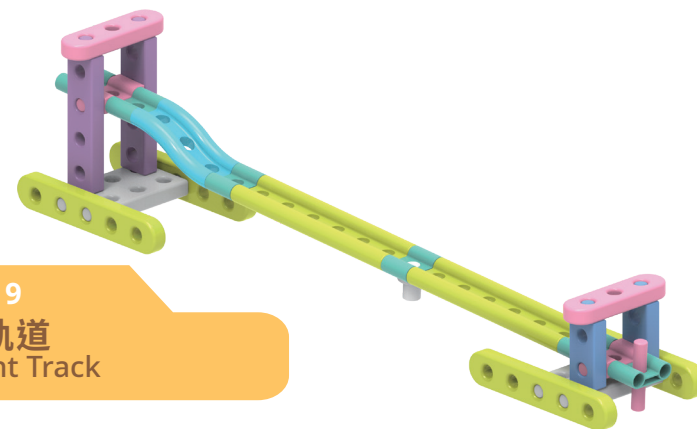


組裝完成囉！
Done!

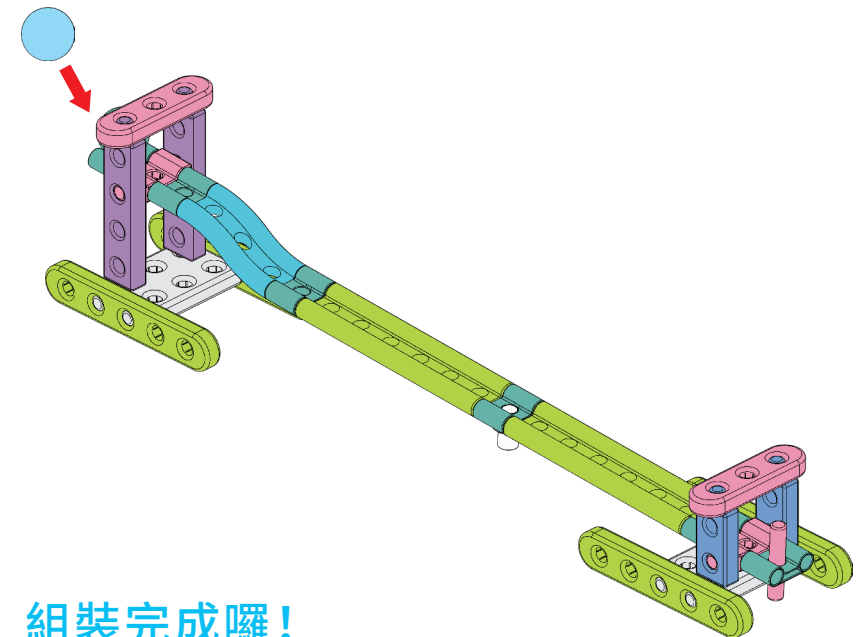
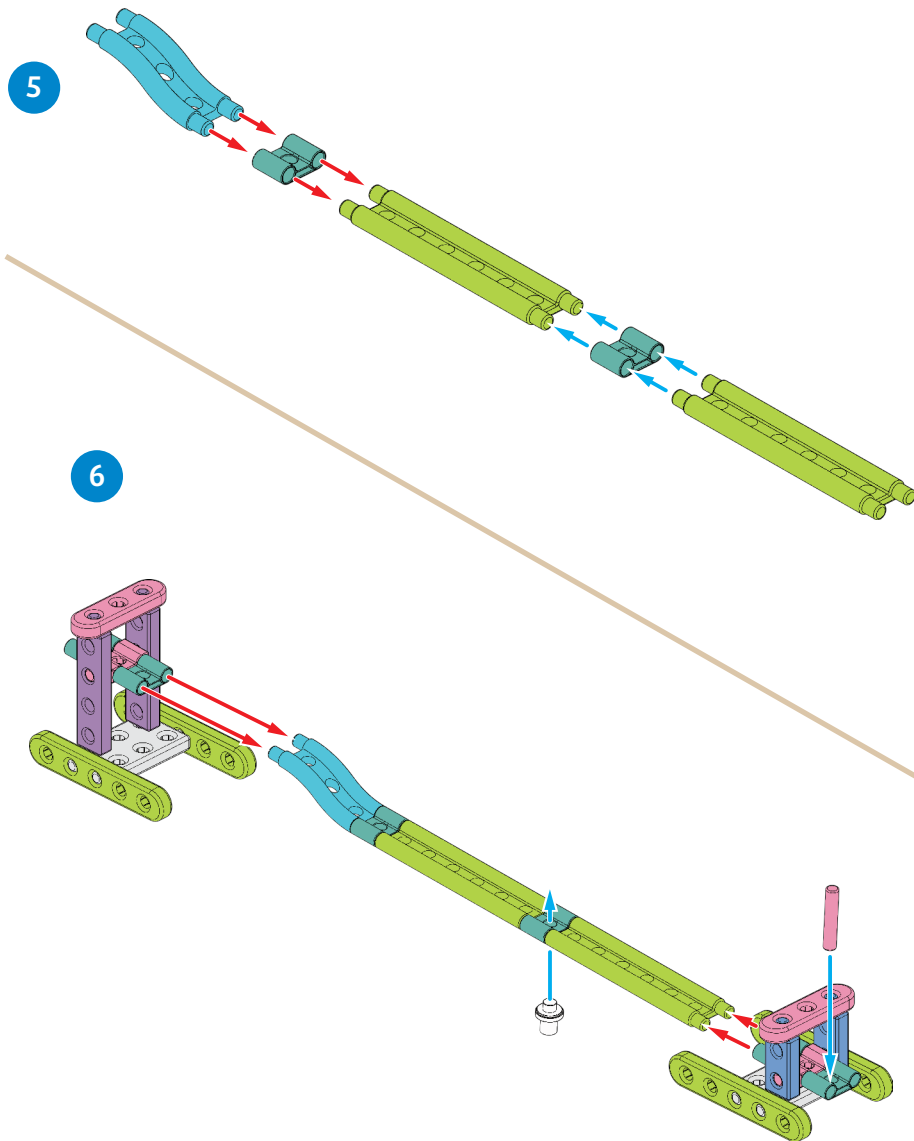
零件清單 Parts Needed



Model 9
直線軌道
Straight Track

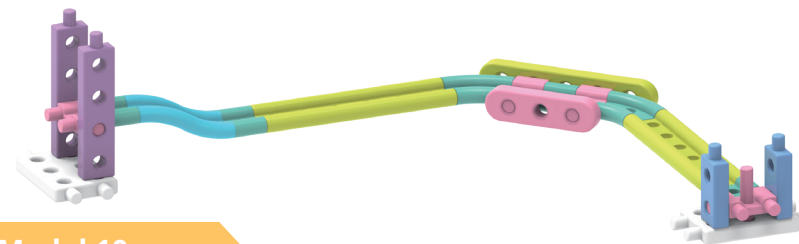
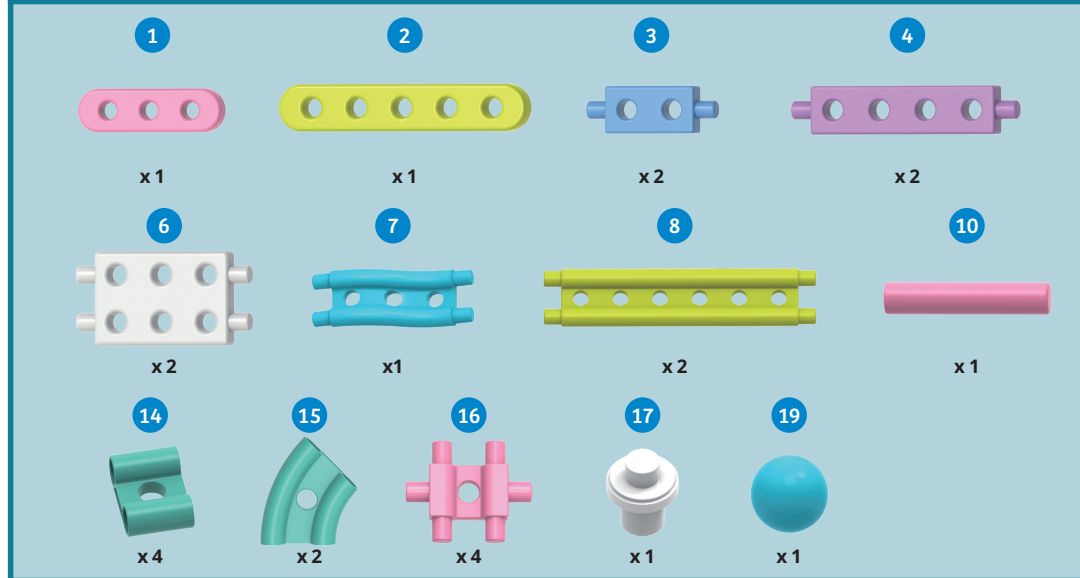


9 直線軌道 Straight Track

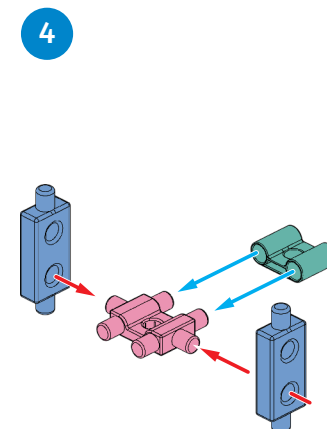
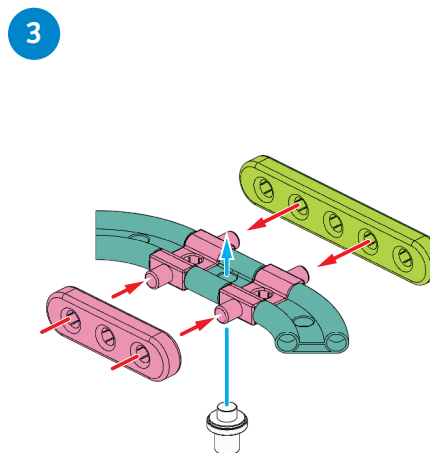
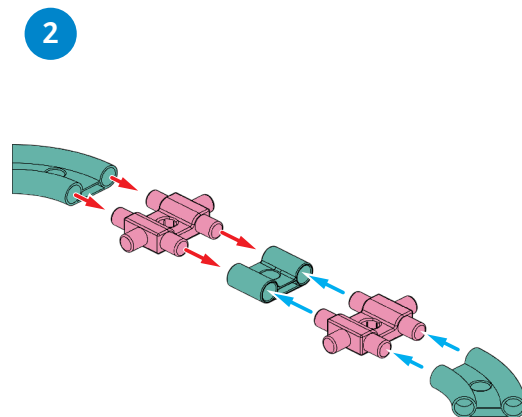
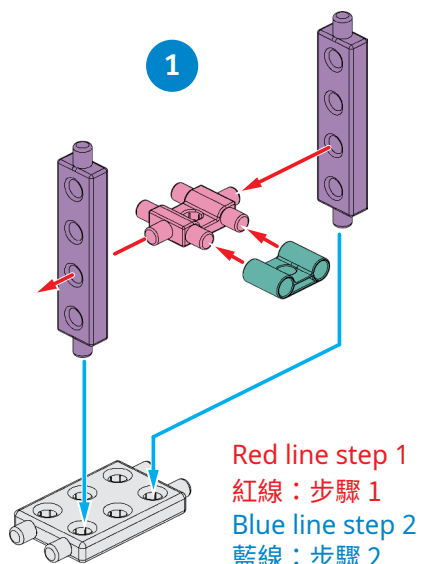


組裝完成囉！
Done!

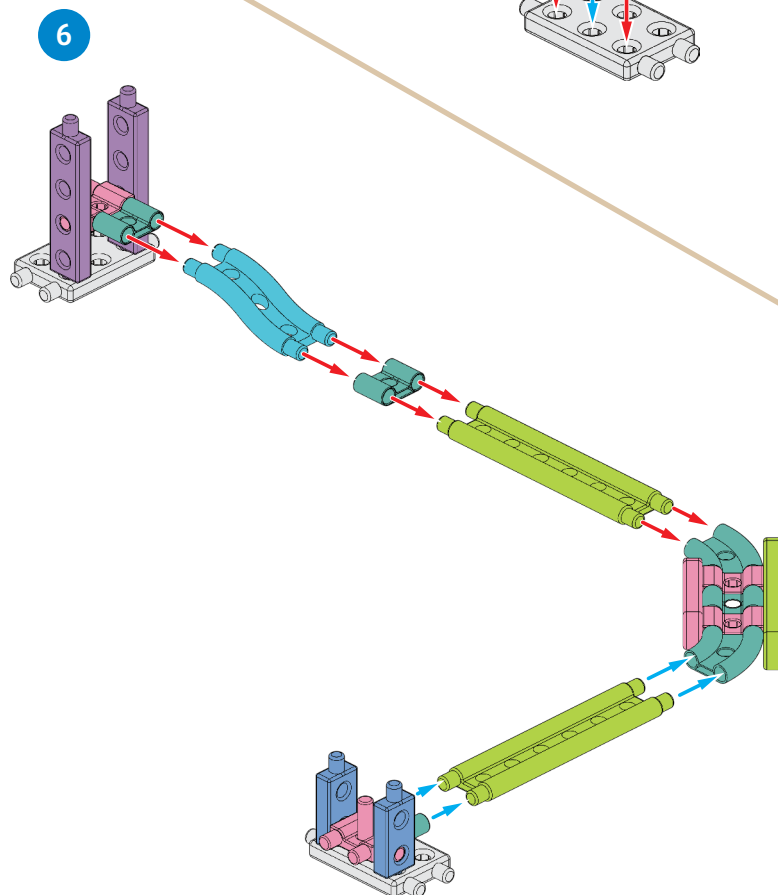
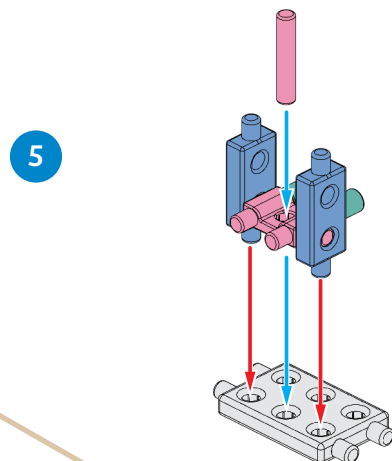
零件清單 Parts Needed



Model 10
彎道軌道
Curve Track



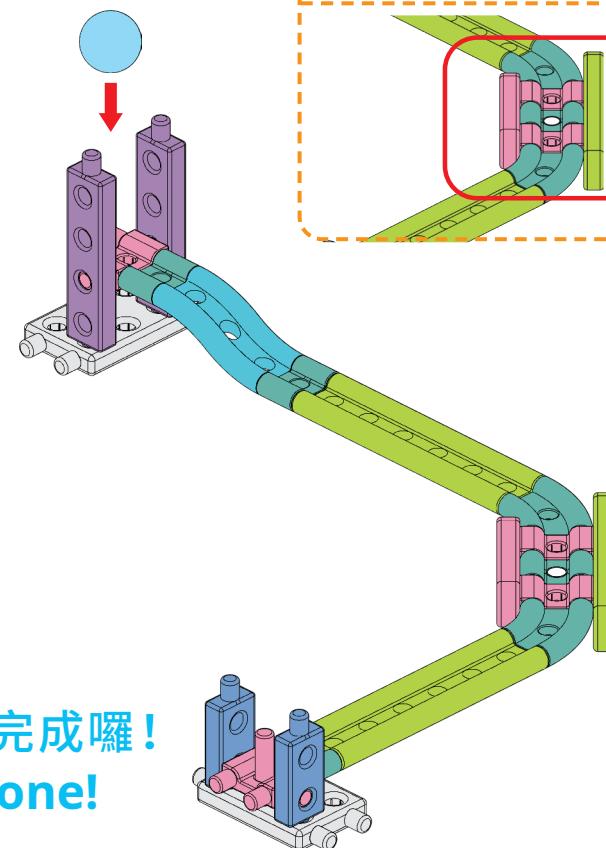
10 彎道軌道 Curve Track



小提醒 TIPS

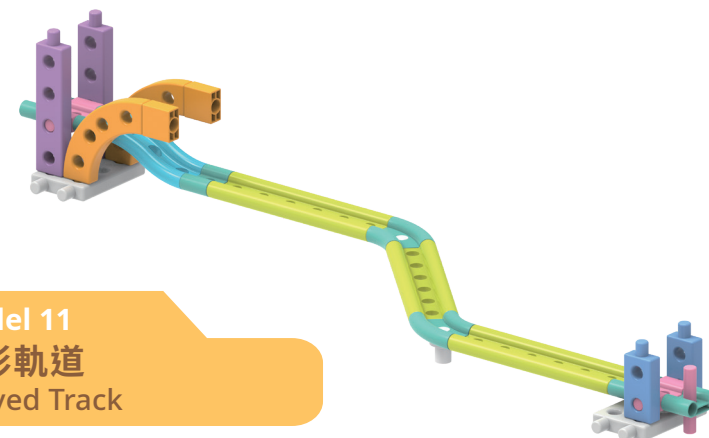
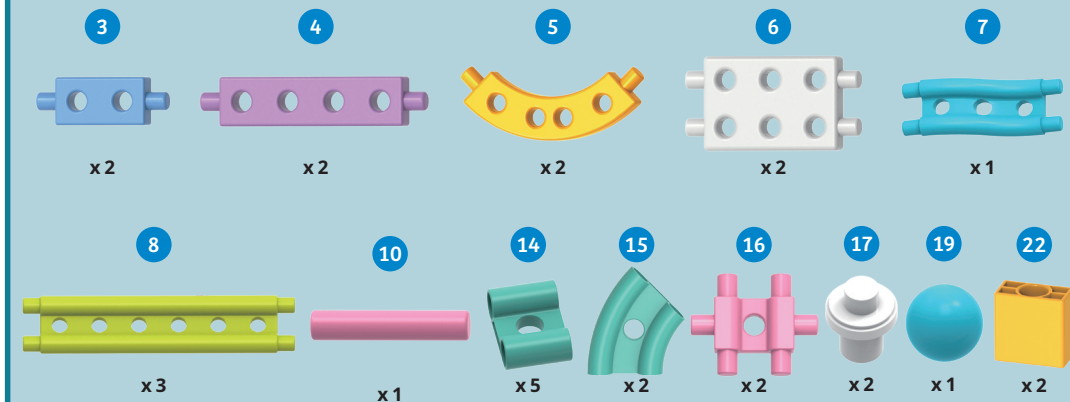
球在過彎時可能因為速度過快而偏離軌道，所以我們會在彎道處增添護欄，讓球能夠順利前行。

The ball may be assigned a track because it is too fast when cornering, so we will add a guardrail at the corner to allow the ball to move forward smoothly.

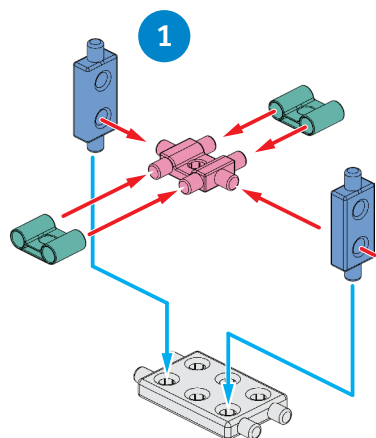


組裝完成囉！
Done!

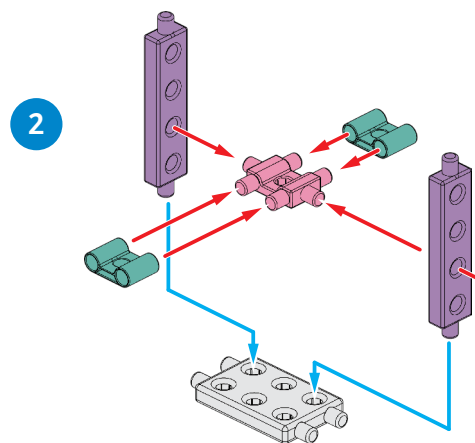
零件清單 Parts Needed



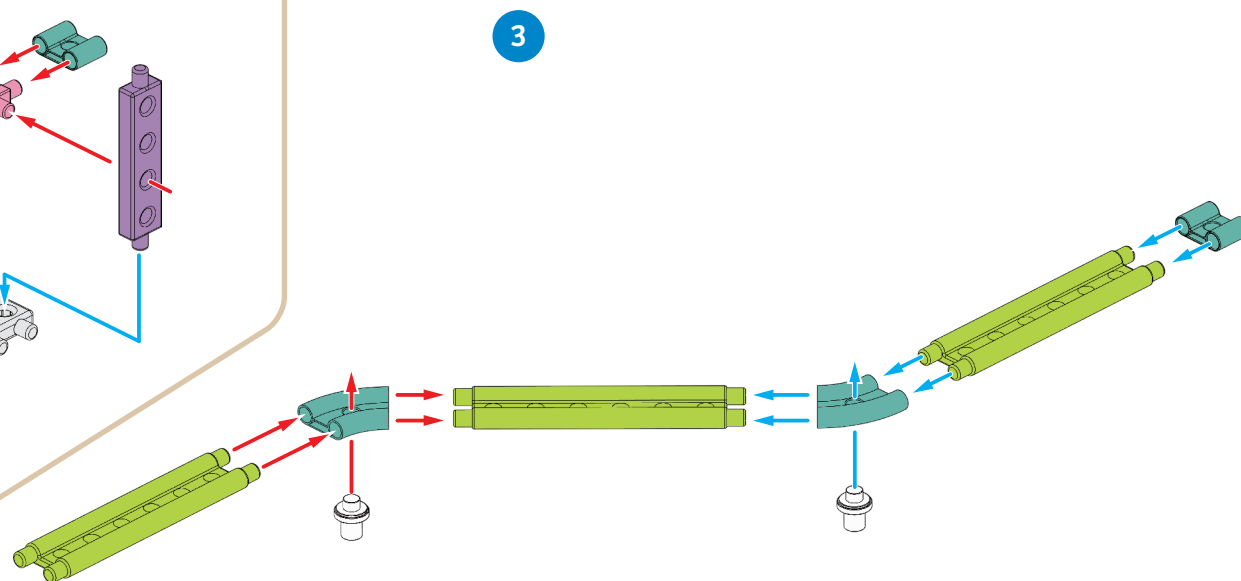
Model 11
曲形軌道
Curved Track



Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2

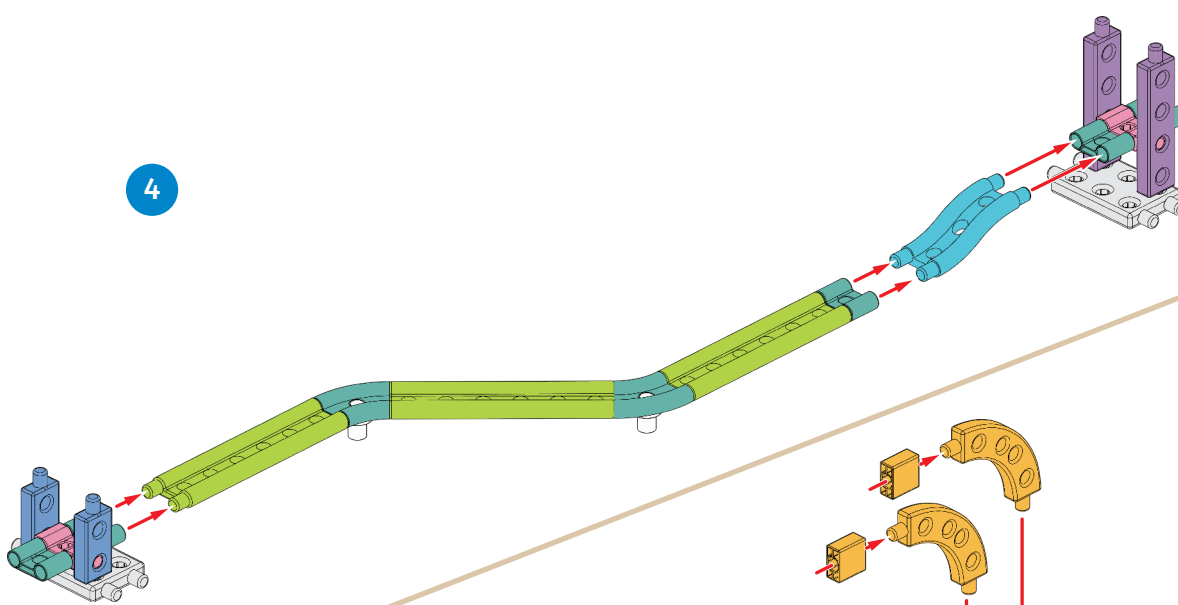


Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2

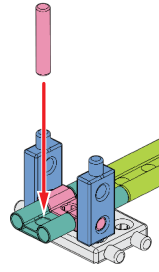
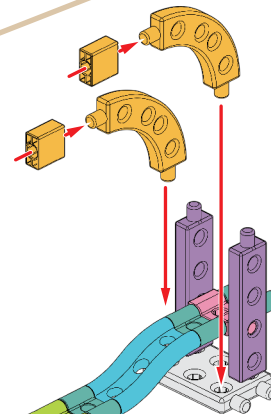


11 曲形軌道 Curved Track

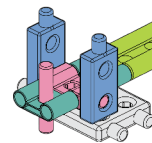
4



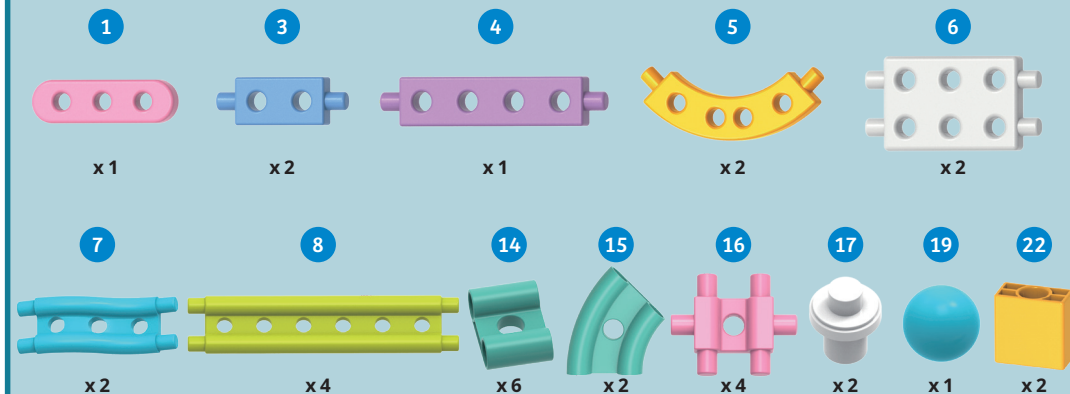
5



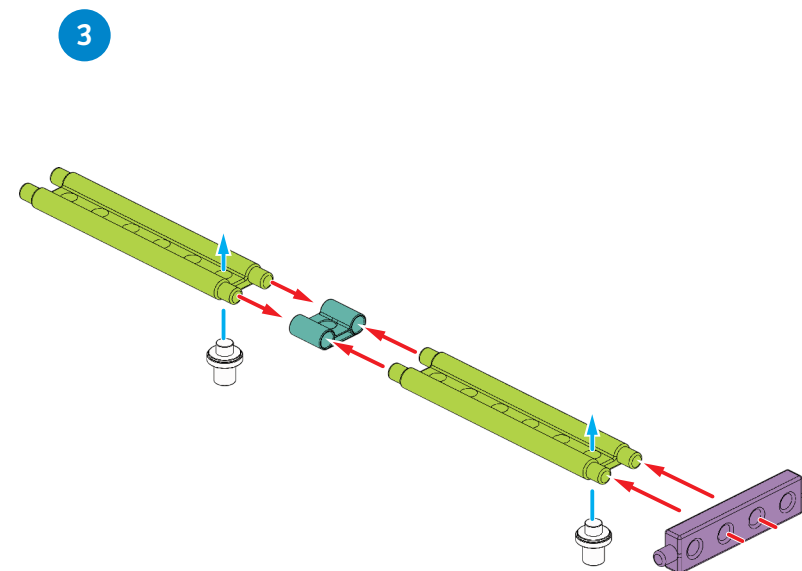
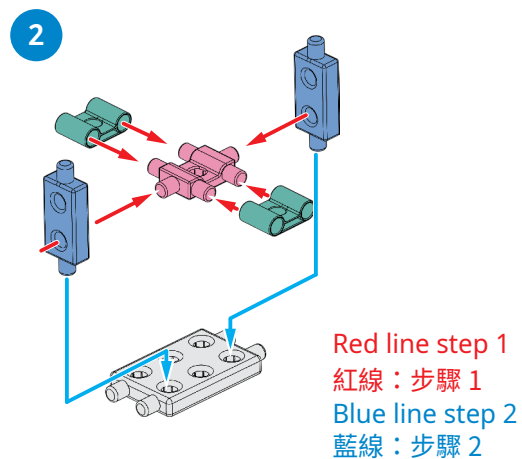
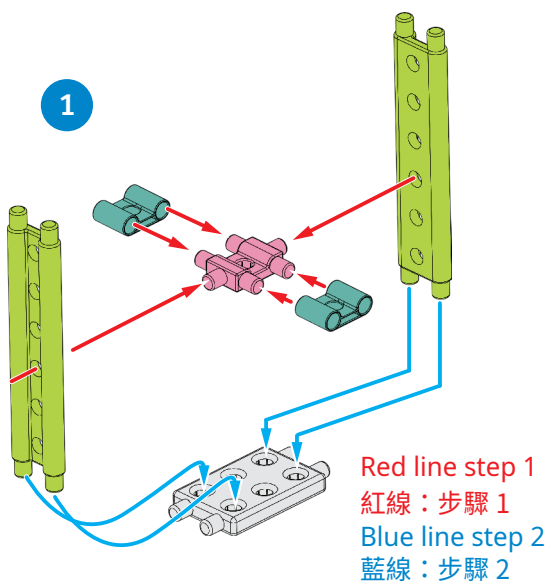
組裝完成囉!
Done!



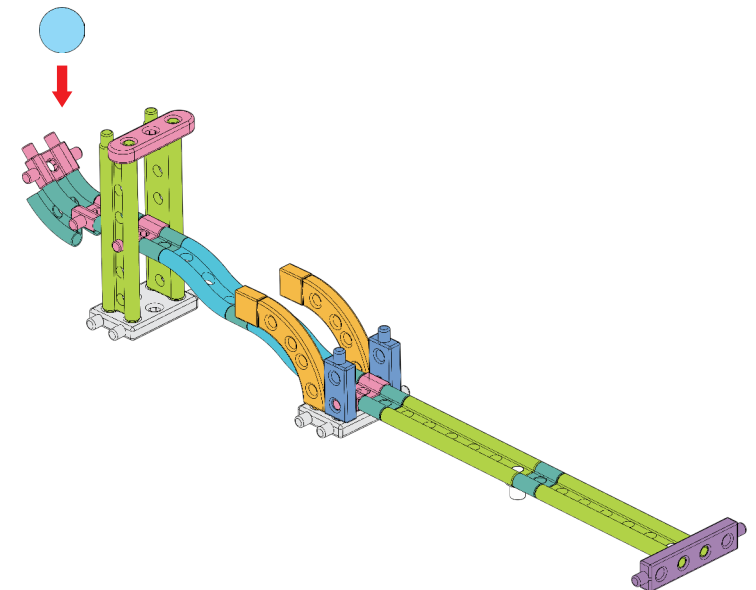
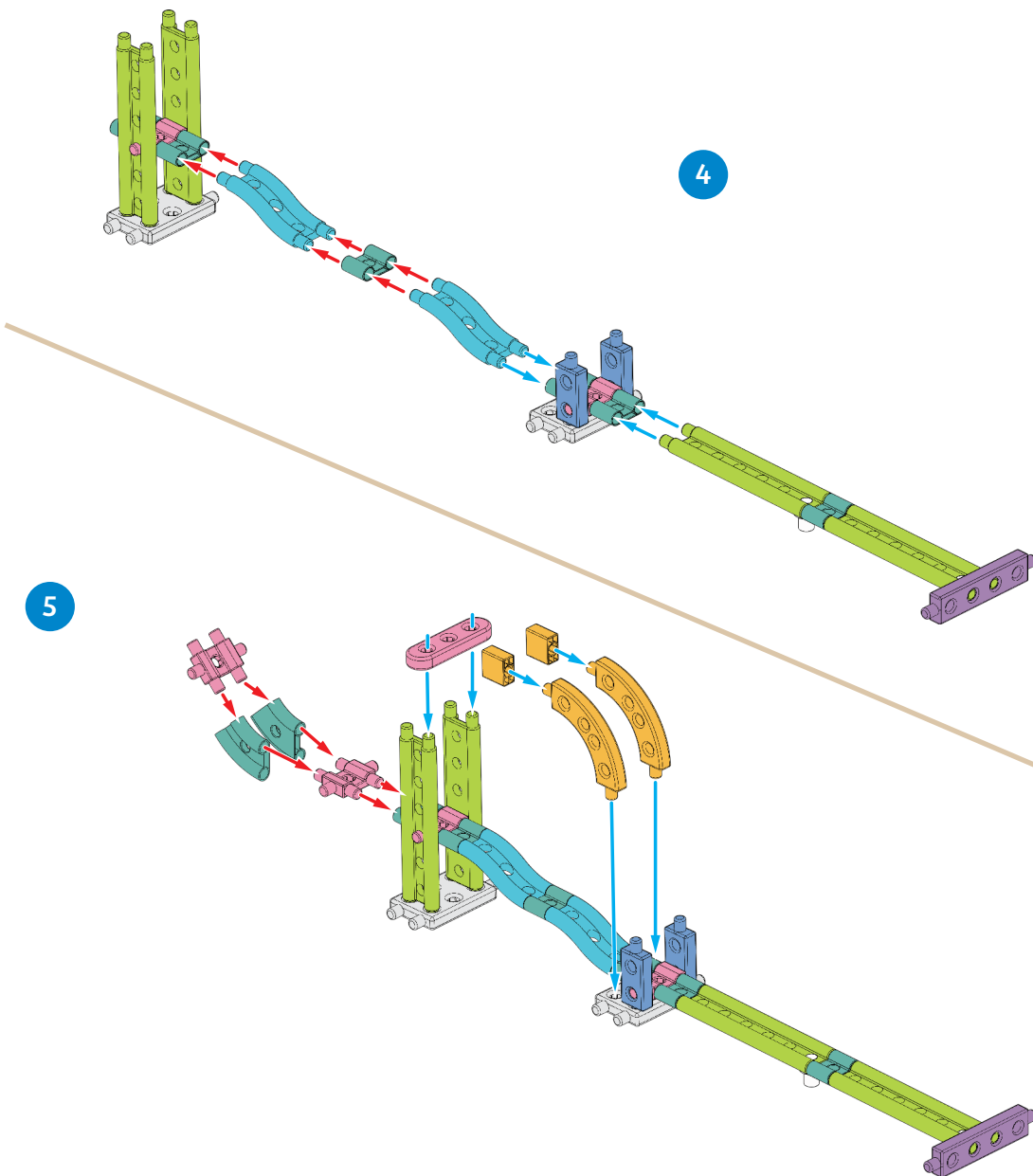
零件清單 Parts Needed



Model 12
連續下坡軌道
Continuous Downhill Track

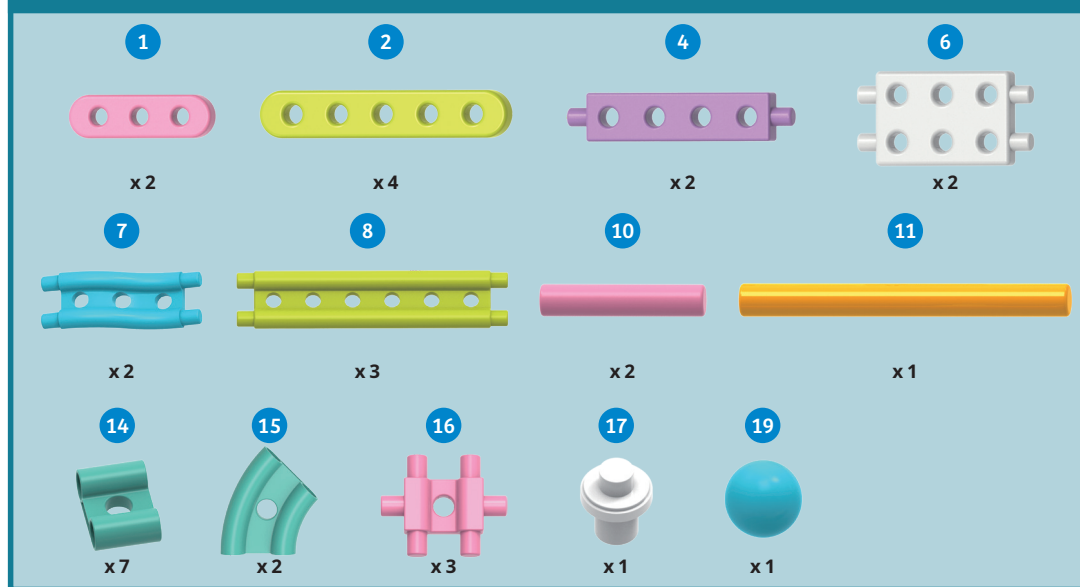


12 連續下坡軌道 Continuous Downhill Track

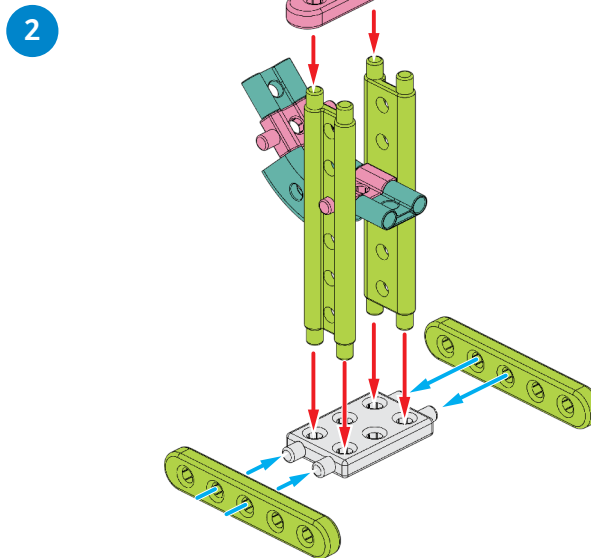
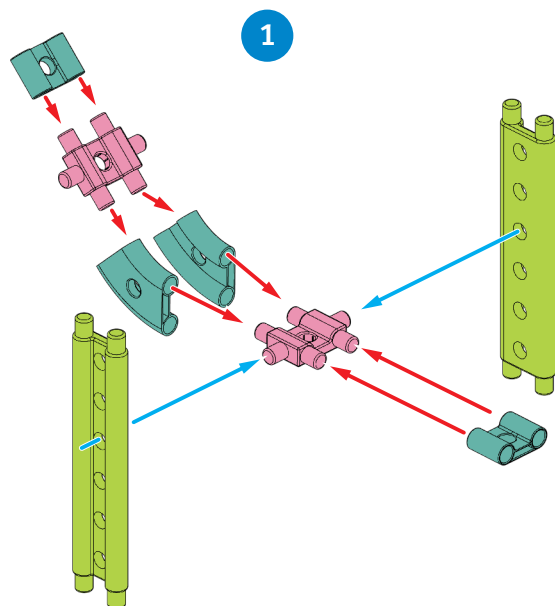
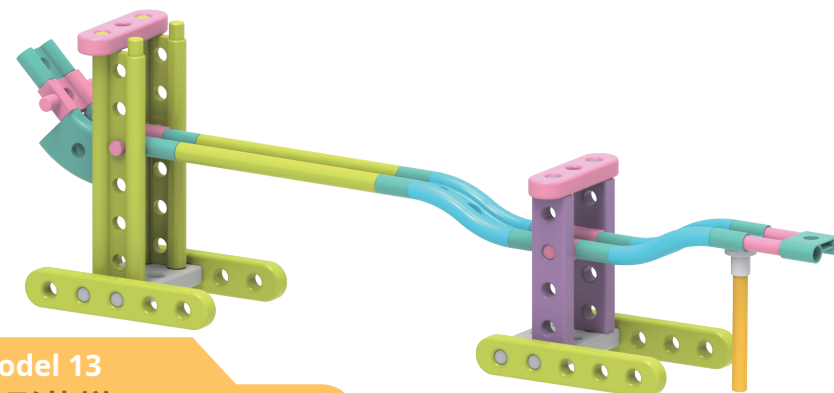


組裝完成囉!
Done!

零件清單 Parts Needed

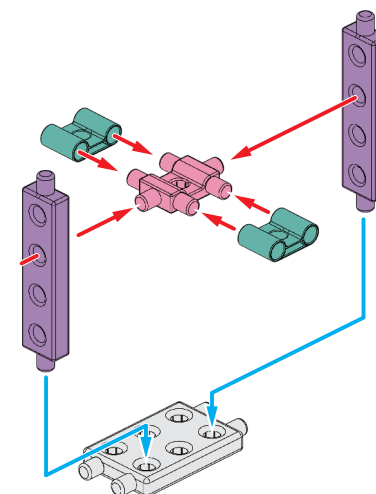


Model 13
U 形軌道
U-Track

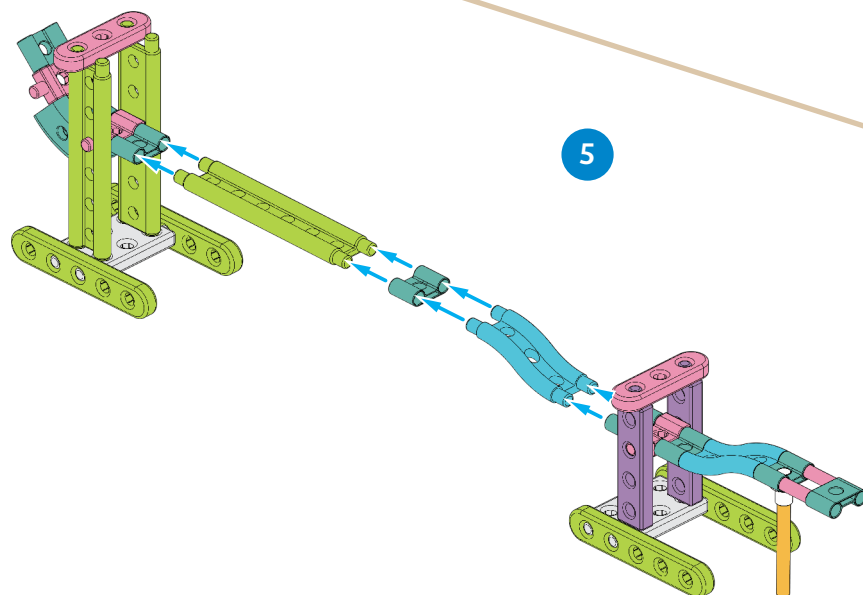
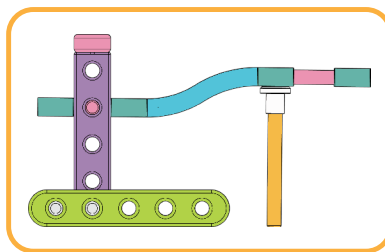
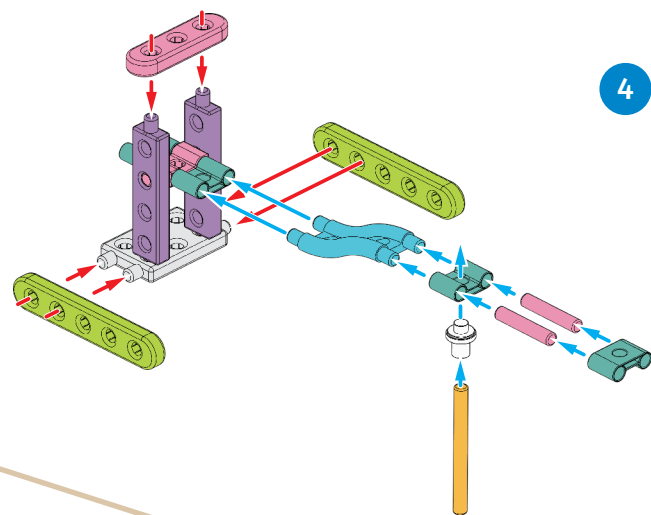


3

Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2



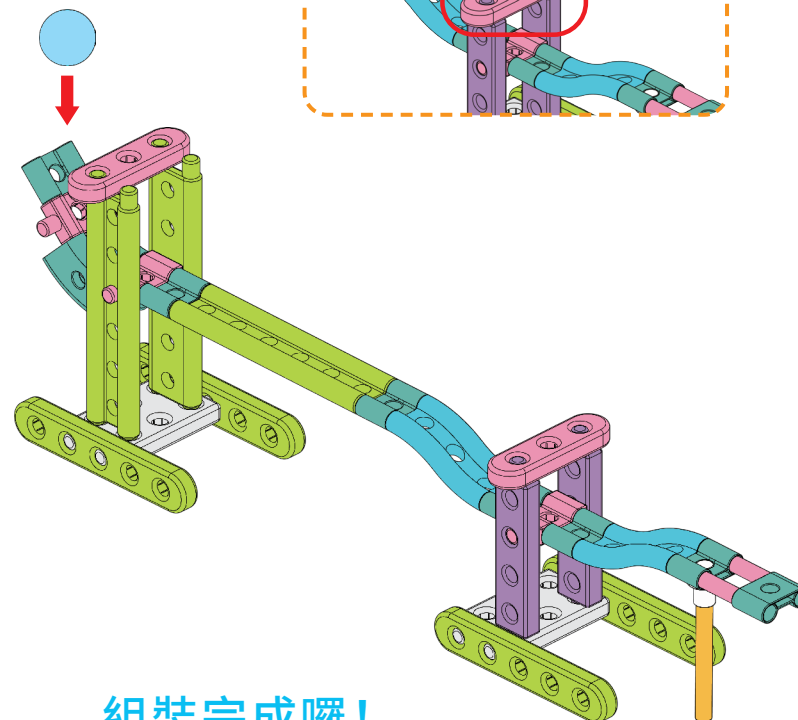
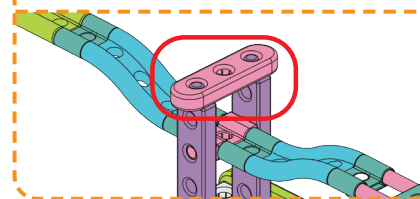
13 U 形軌道 U-Track



小技巧 TIPS

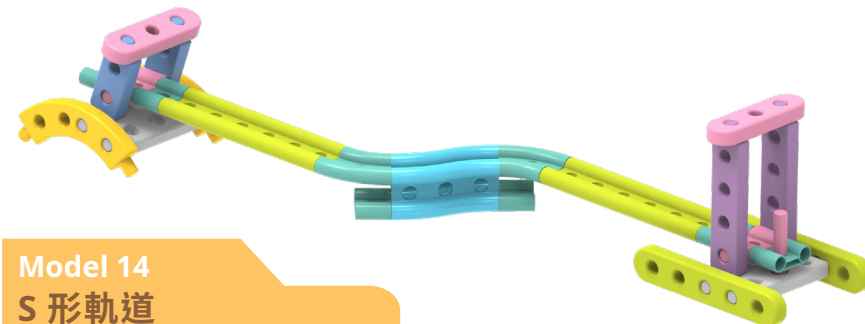
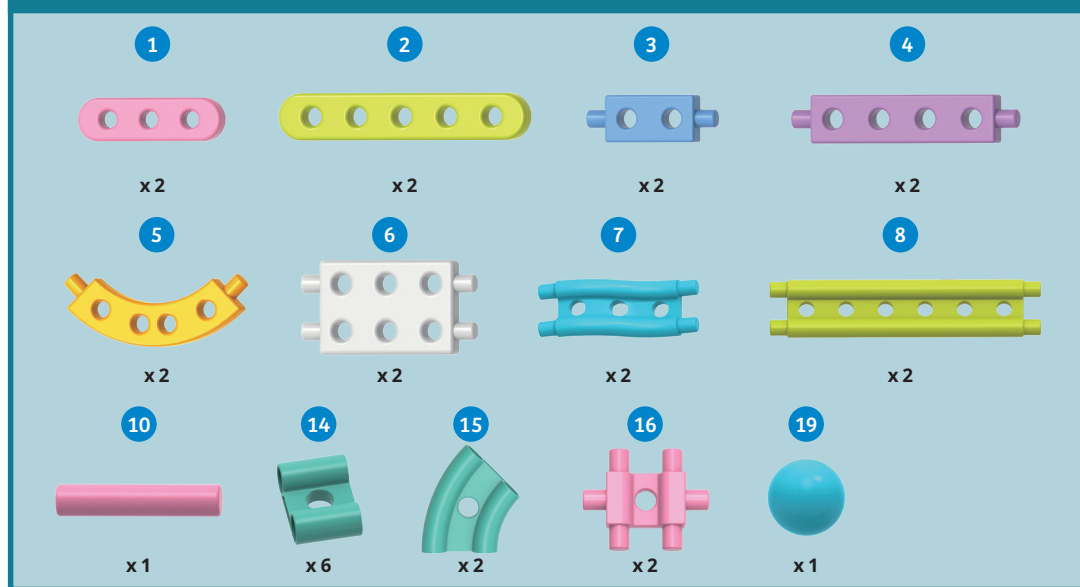
若您將以 58mm 扭蛋球進行實驗，請在實驗之前拆卸拱門，以利 58mm 扭蛋球順利前行。

When using the CAPSULE BALL, please remove the arch first so that the CAPSULE BALL can run smoothly.



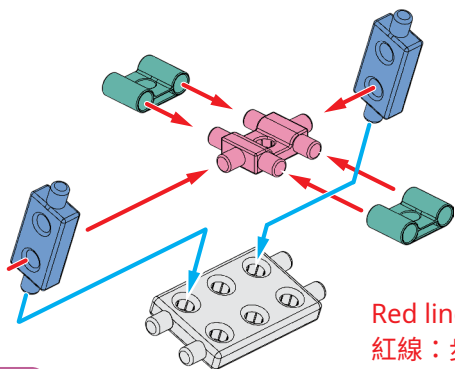
組裝完成囉！
Done!

零件清單 Parts Needed



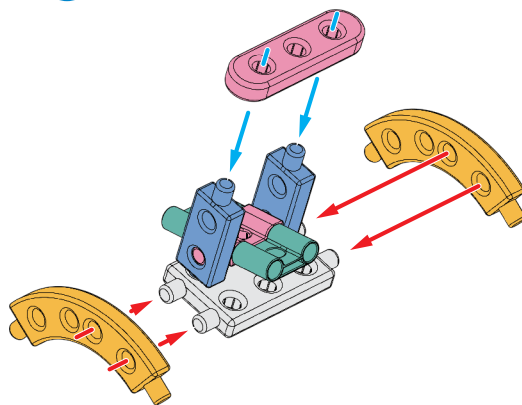
Model 14
S 形軌道
S-Track

1

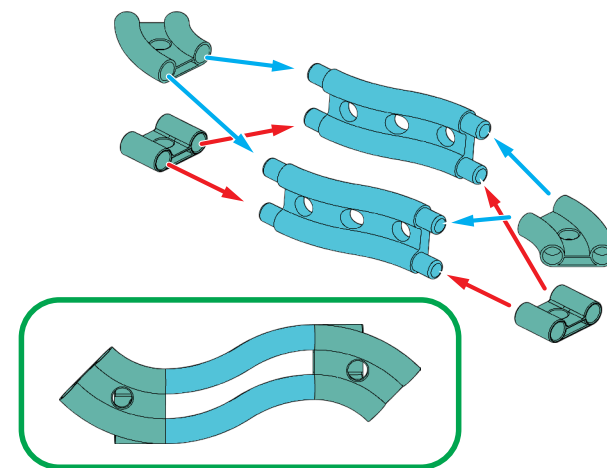


Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2

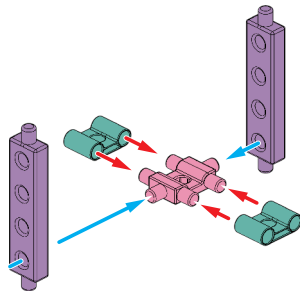
2



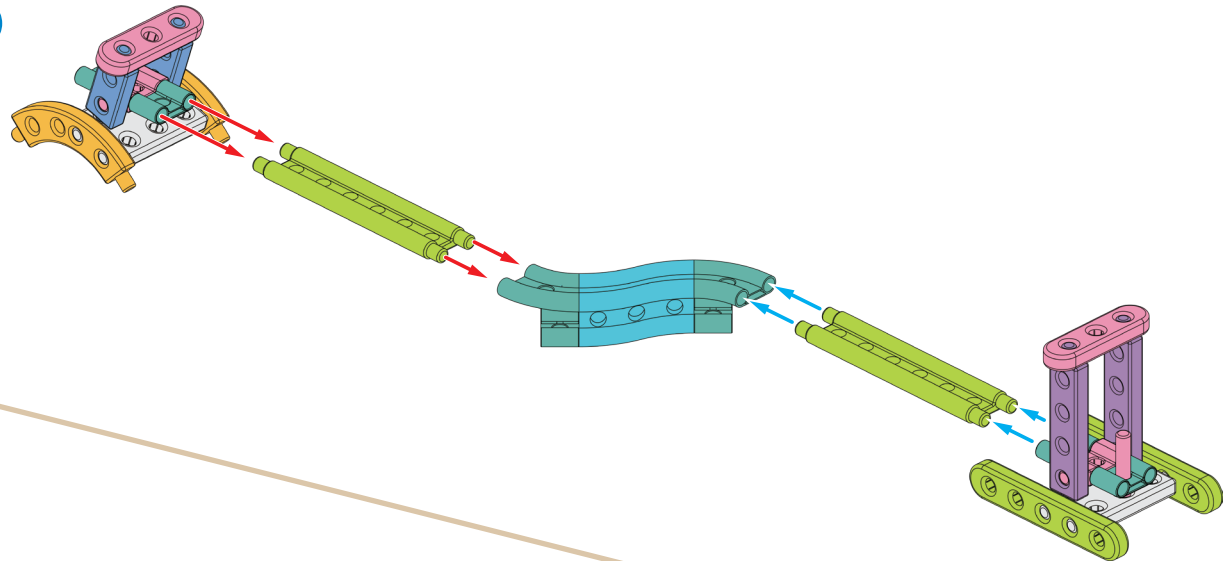
3



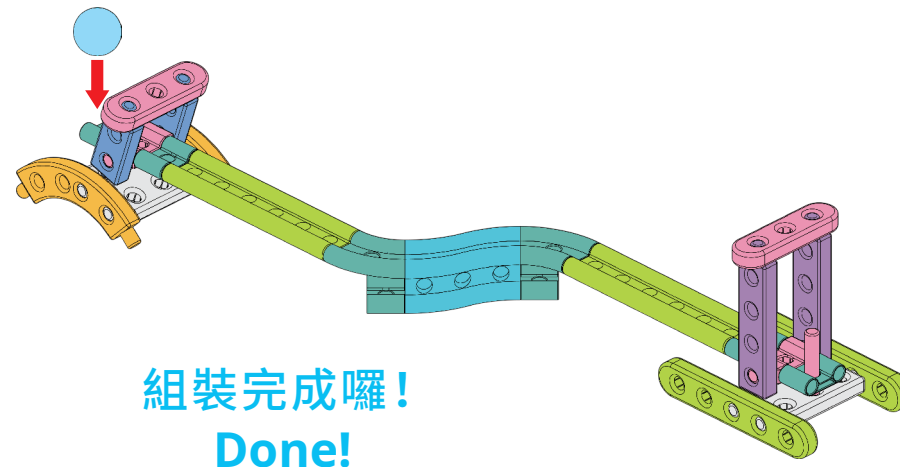
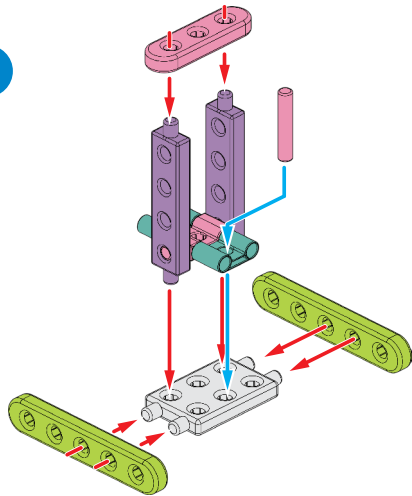
4



6



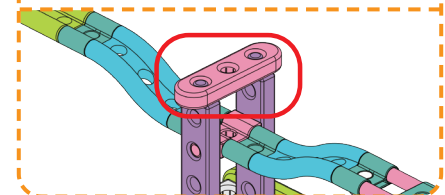
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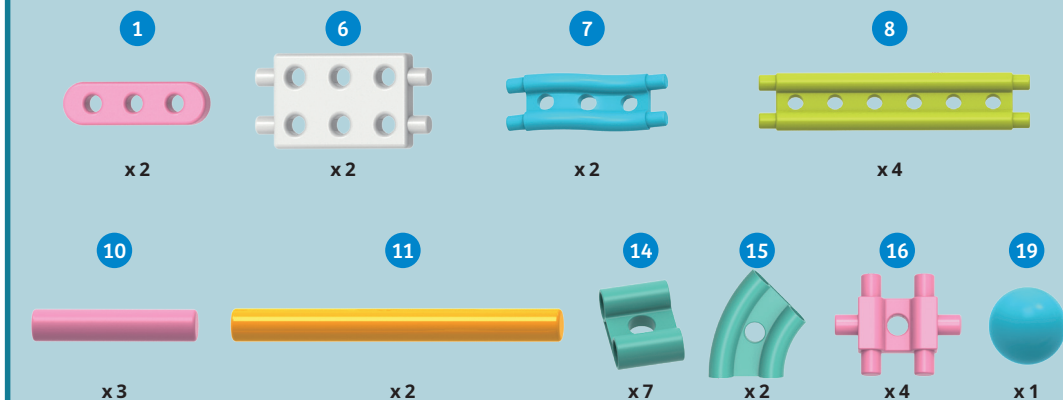
小技巧TIPS

若您將以 58mm 扭蛋球進行實驗，請在實驗之前拆卸拱門，以利 58mm 扭蛋球順利前行。

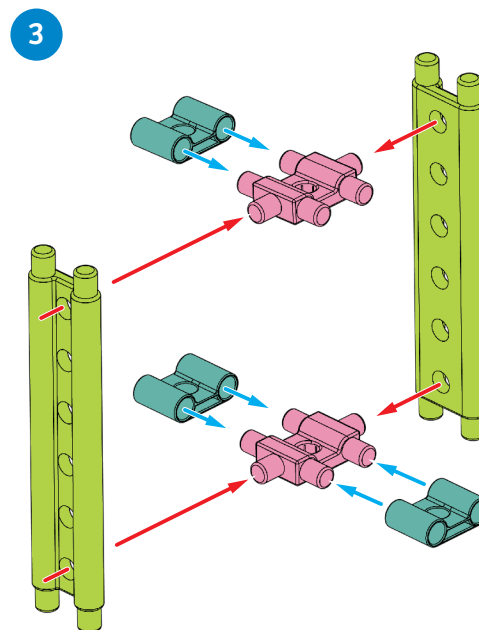
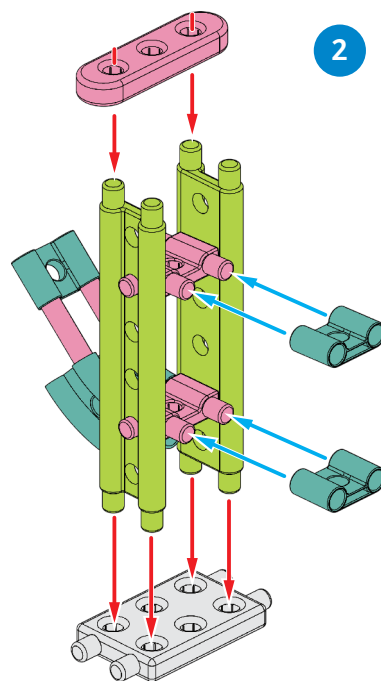
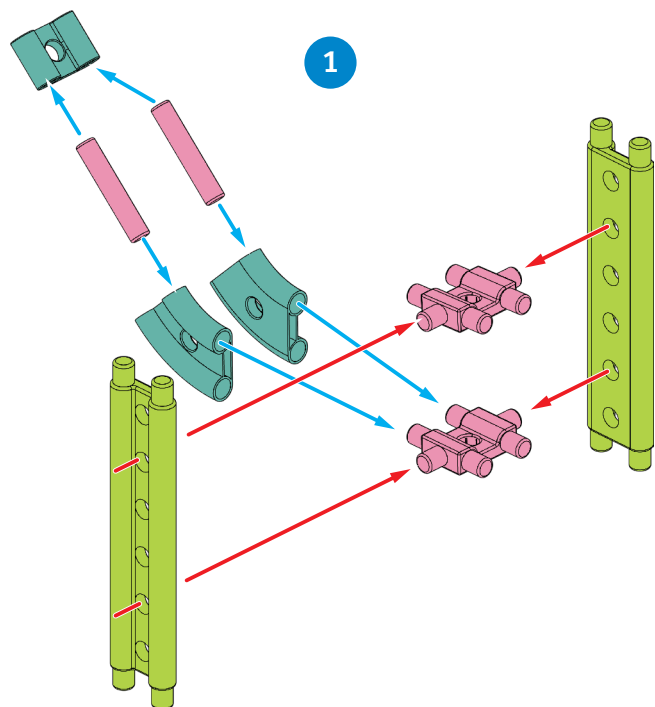
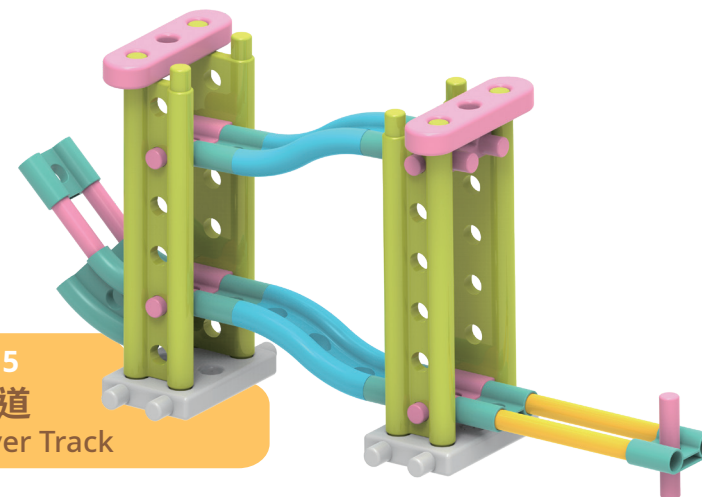
When using the CAPSULE BALL, please remove the arch first so that the CAPSULE BALL can run smoothly.



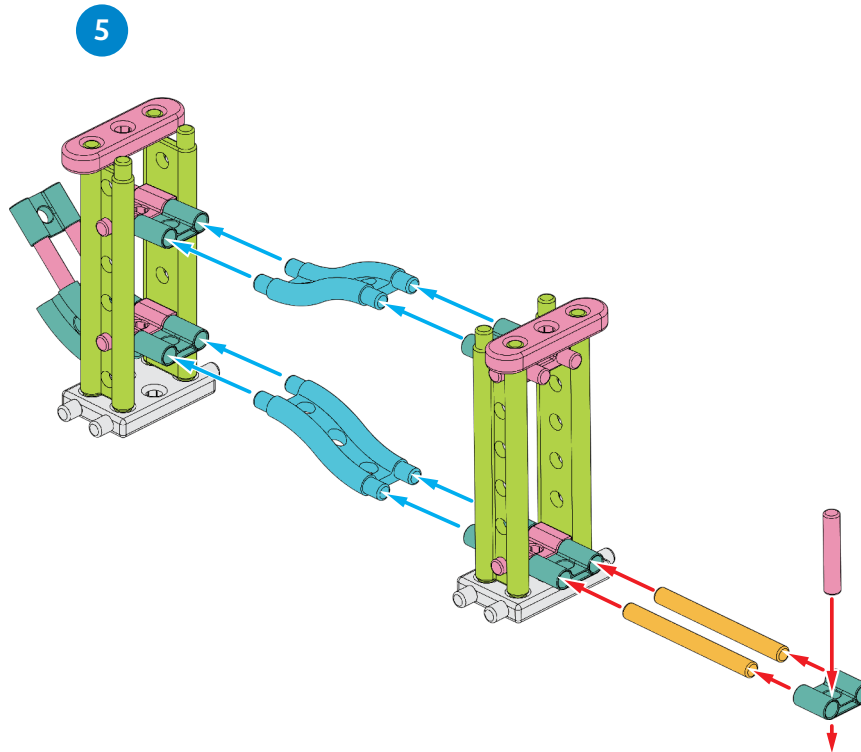
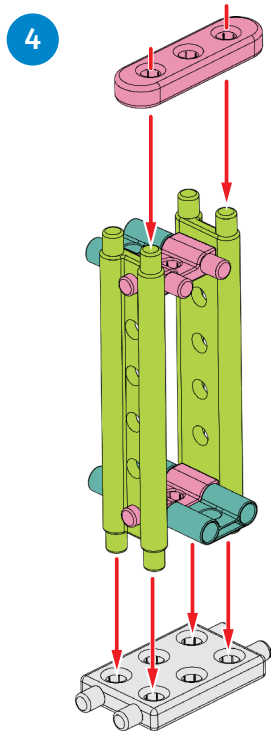
零件清單 Parts Needed



Model 15
雙層軌道
Two-Layer Track



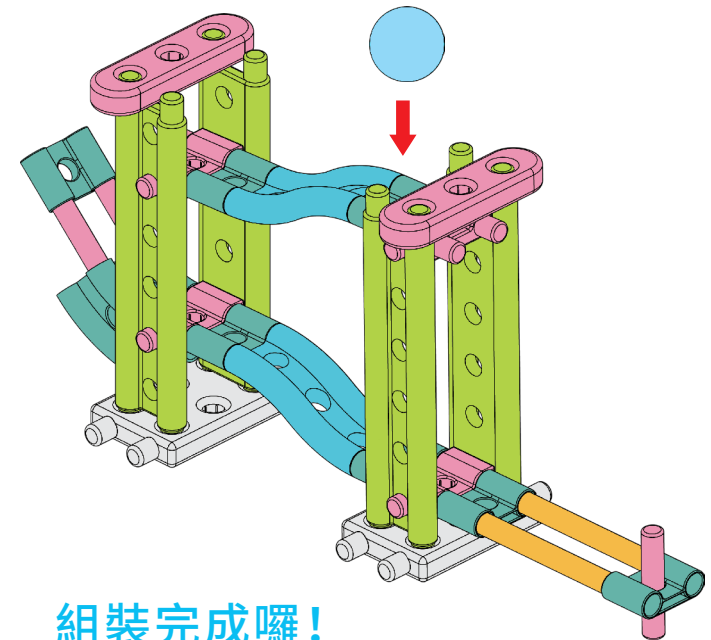
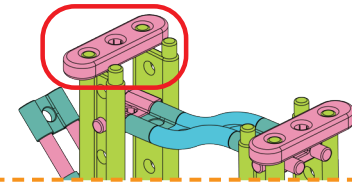
15 雙層軌道 Two-Layer Track



小技巧 TIPS

使用 58mm 扭蛋球時，請先拆卸拱門，以利於 58mm 扭蛋球能夠順利前行。

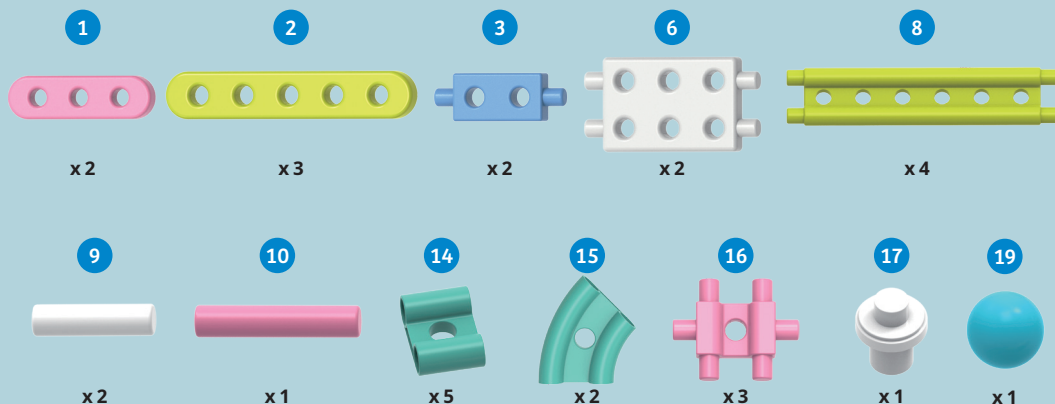
When using the CAPSULE BALL, please remove the arch first so that the CAPSULE BALL can run smoothly.



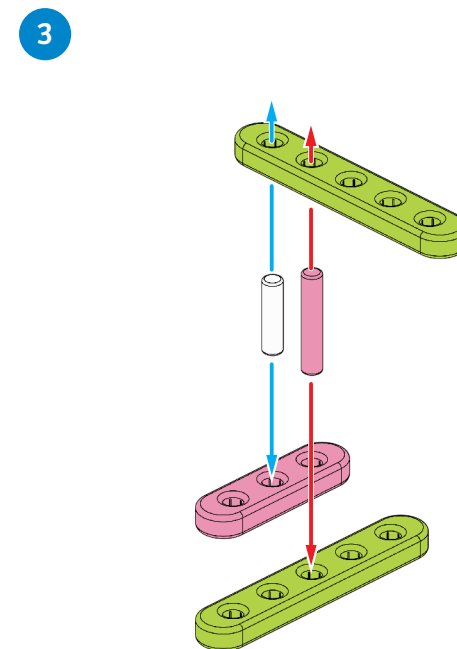
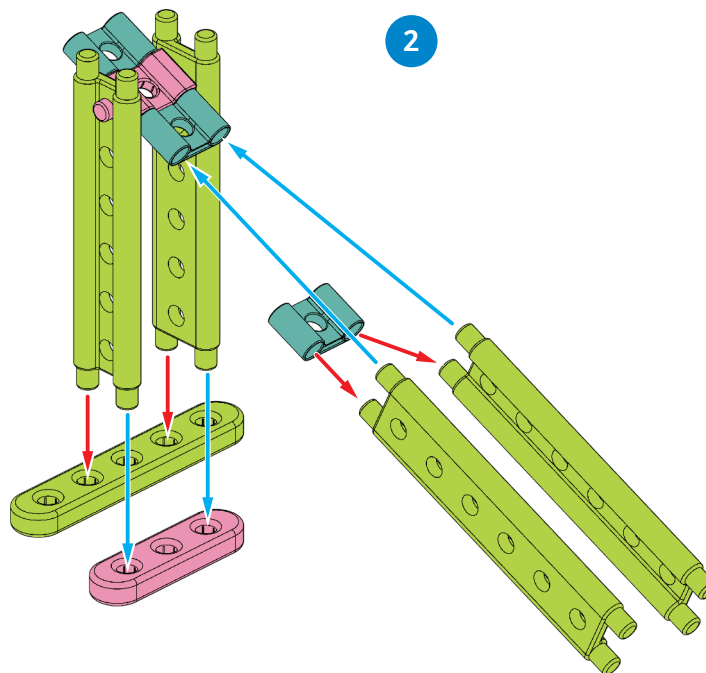
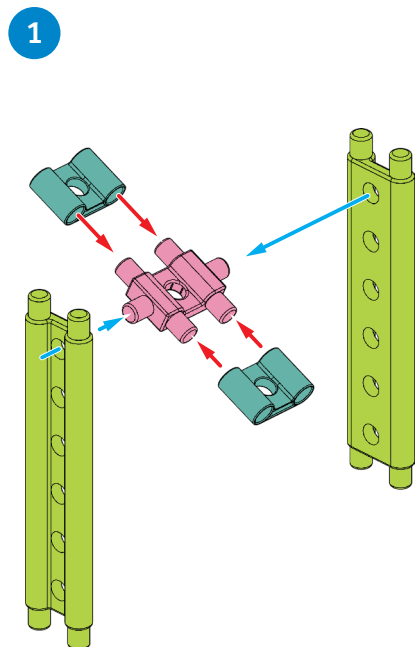
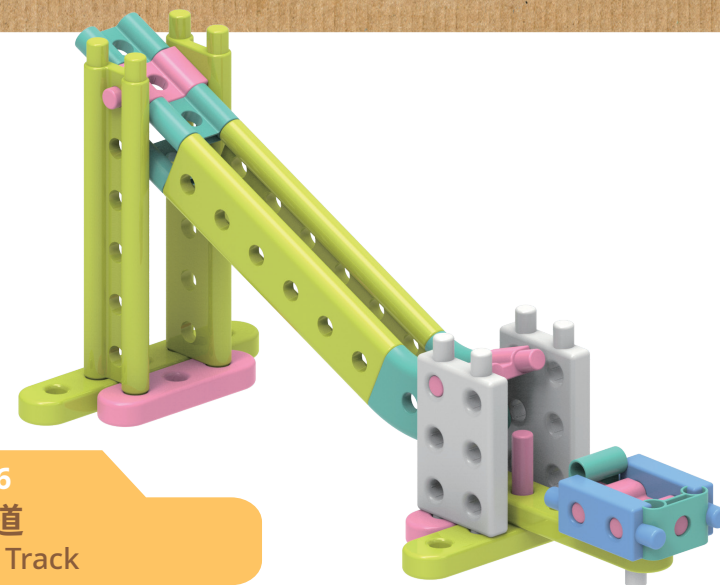
組裝完成囉！

Done!

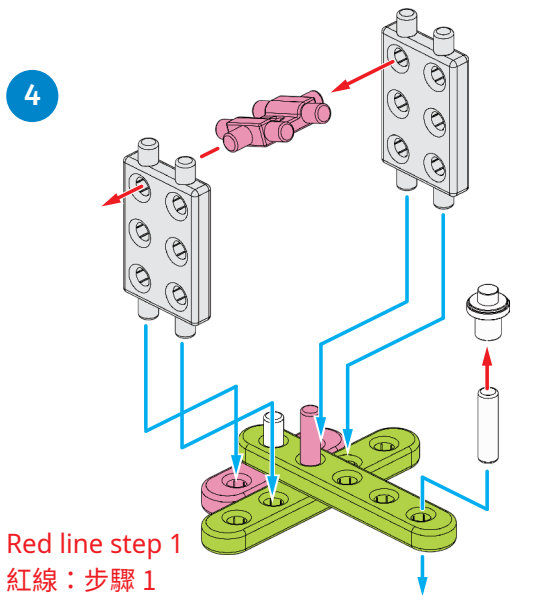
零件清單 Parts Needed



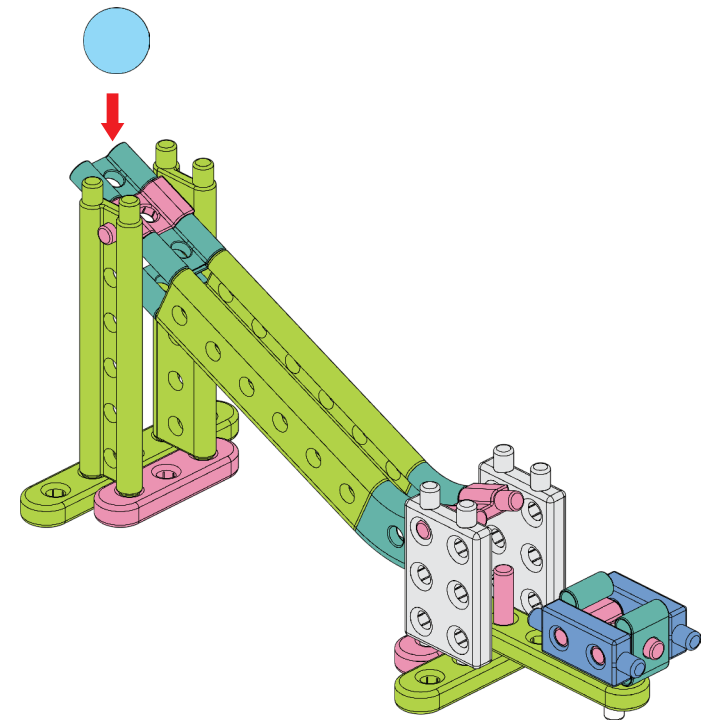
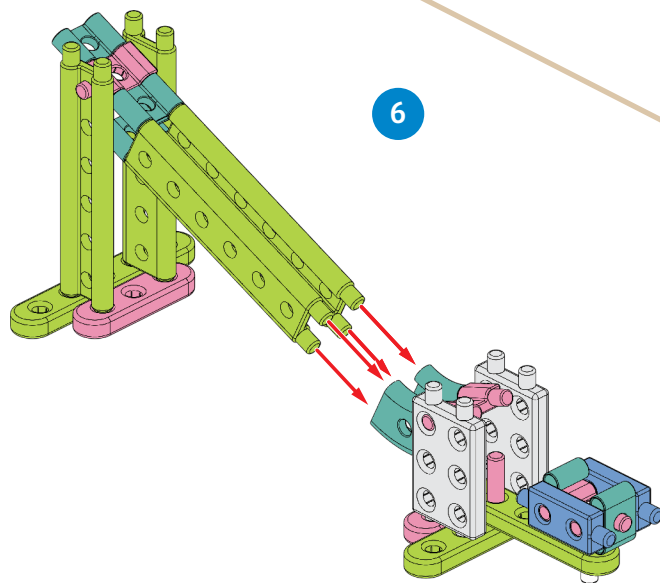
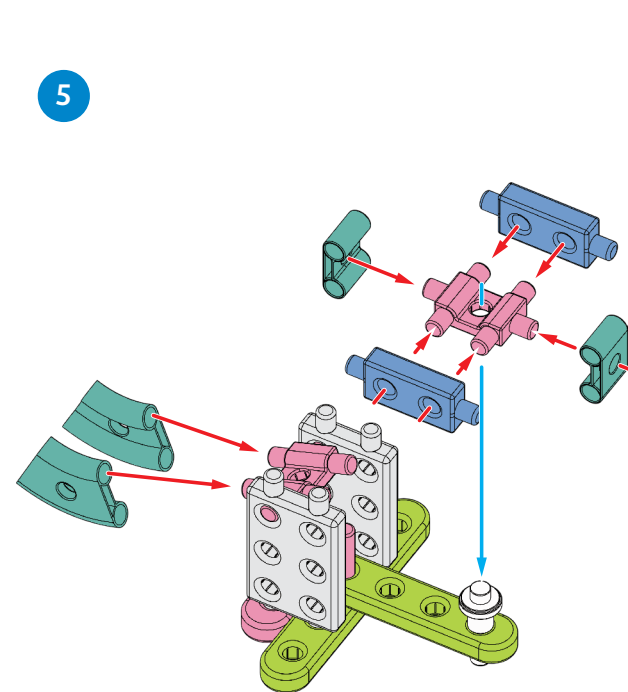
Model 16
跳躍軌道
Jumping Track



16 跳躍軌道 Jumping Track

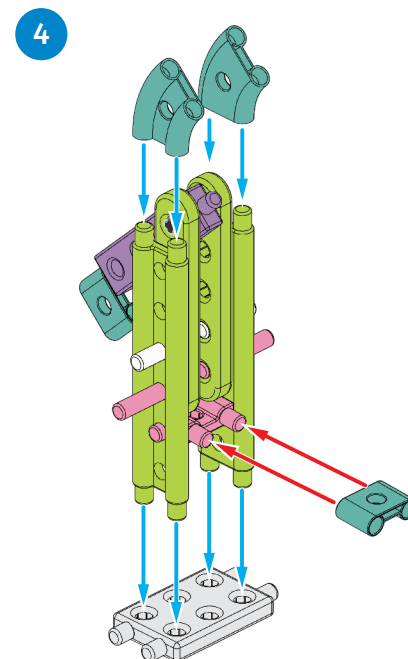
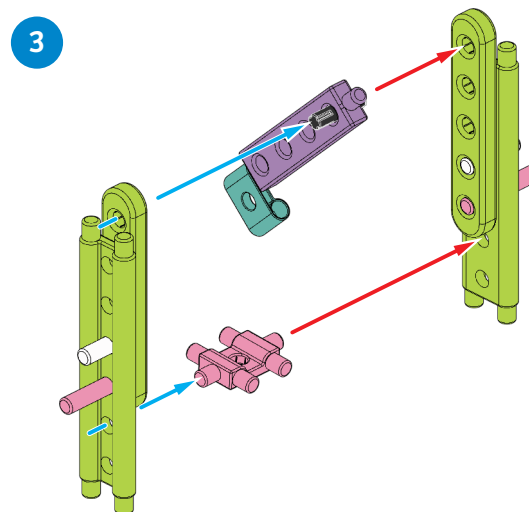
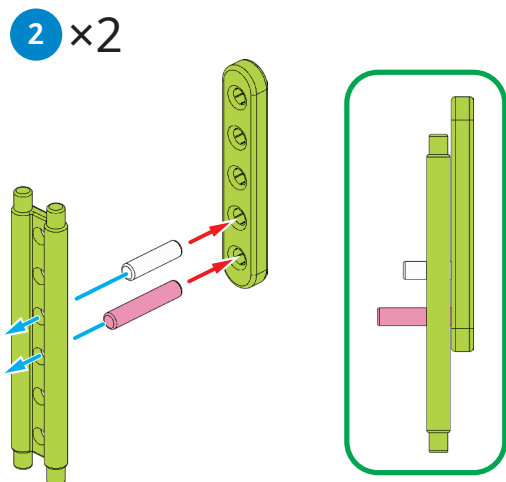
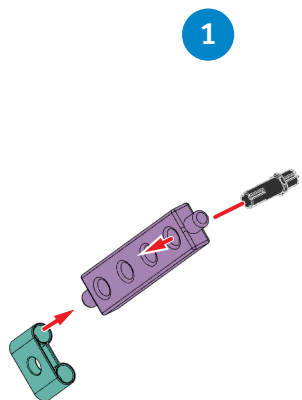
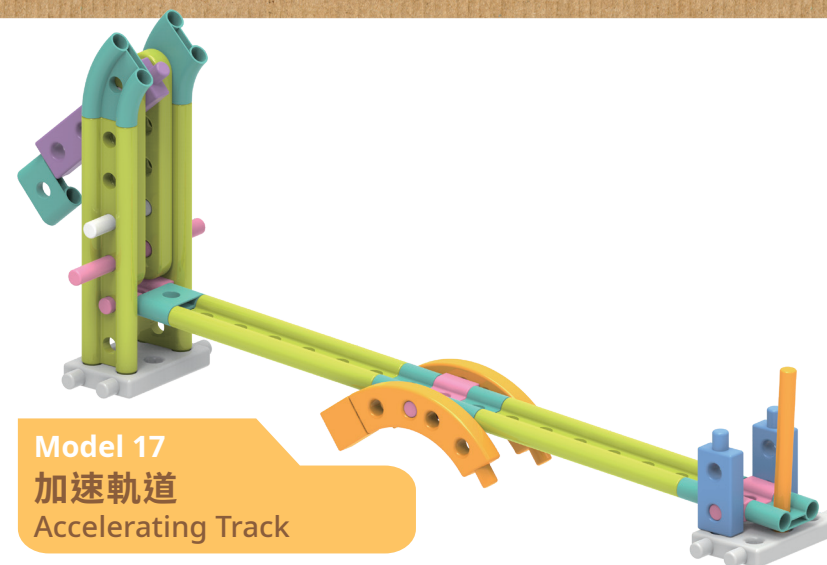
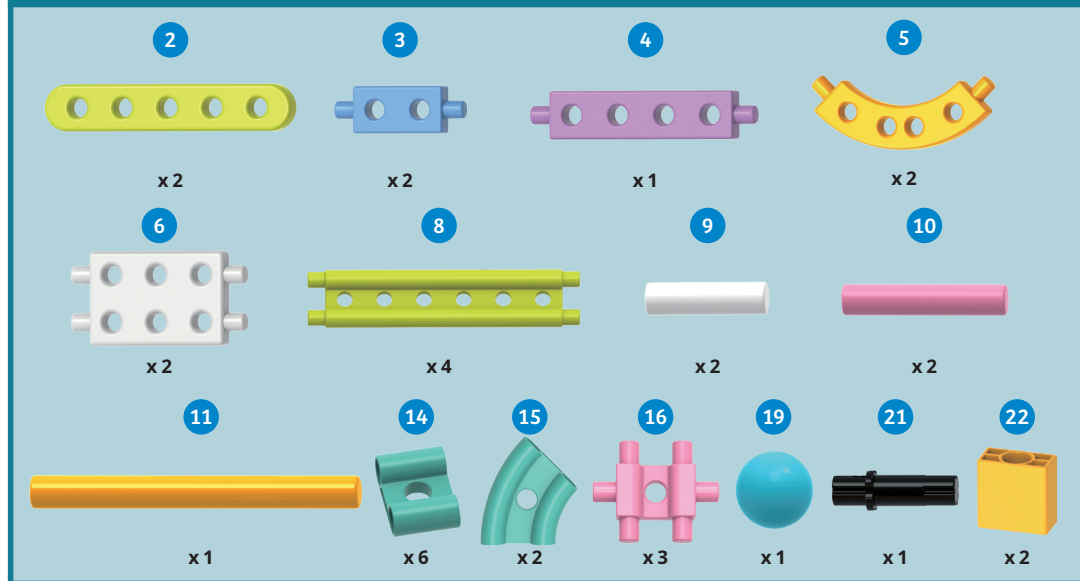


Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2



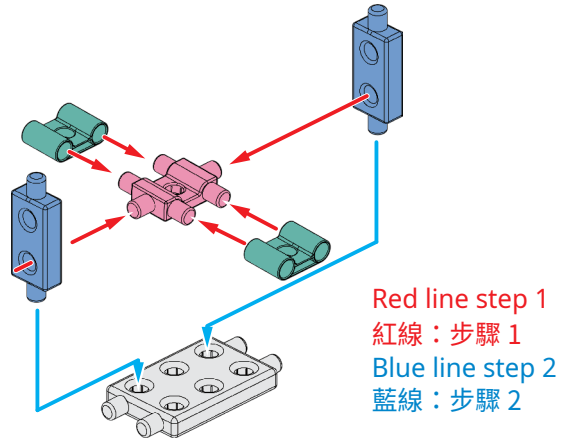
組裝完成囉！
Done!

零件清單 Parts Needed

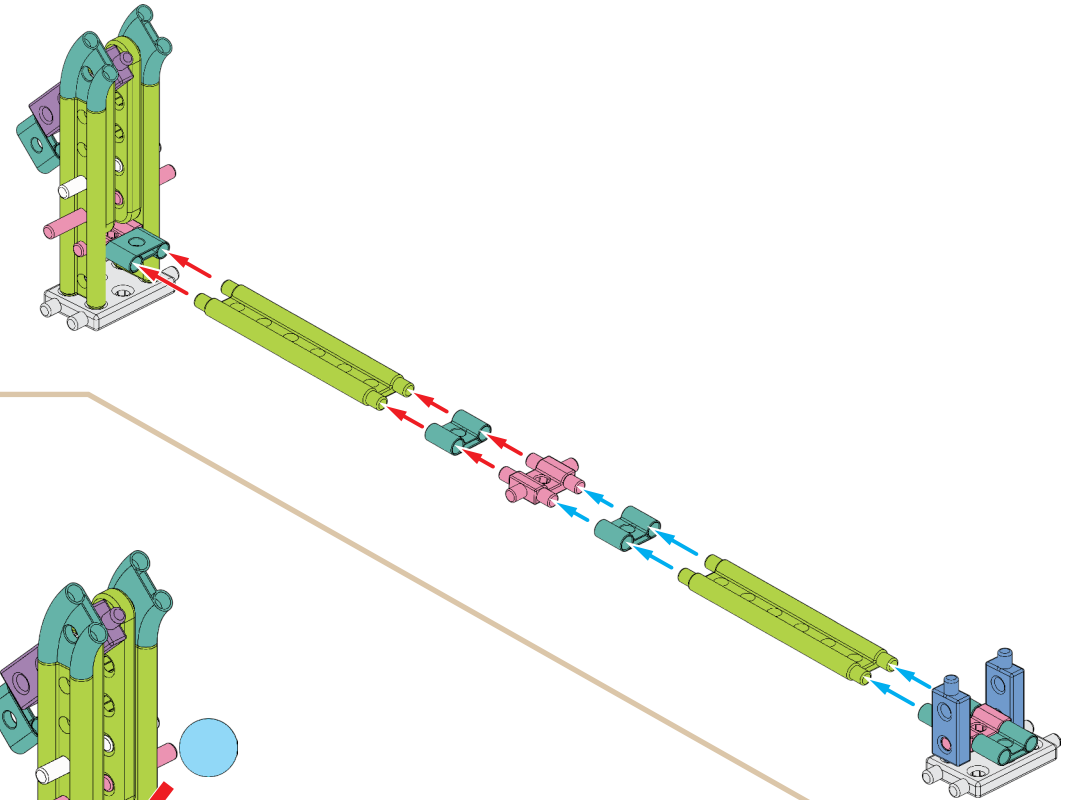


17 加速軌道 Accelerating Track

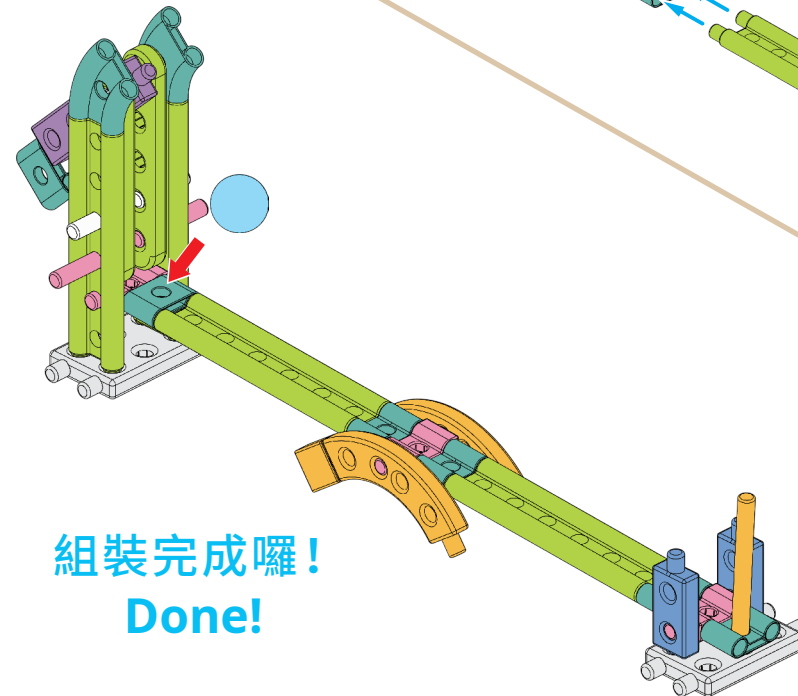
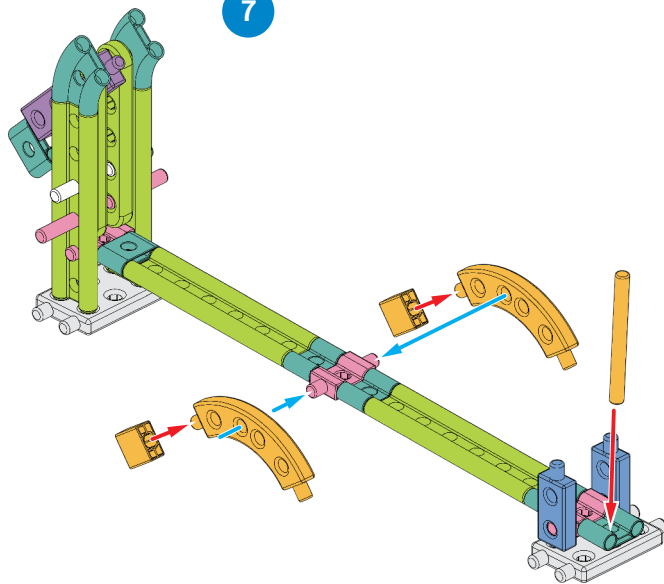
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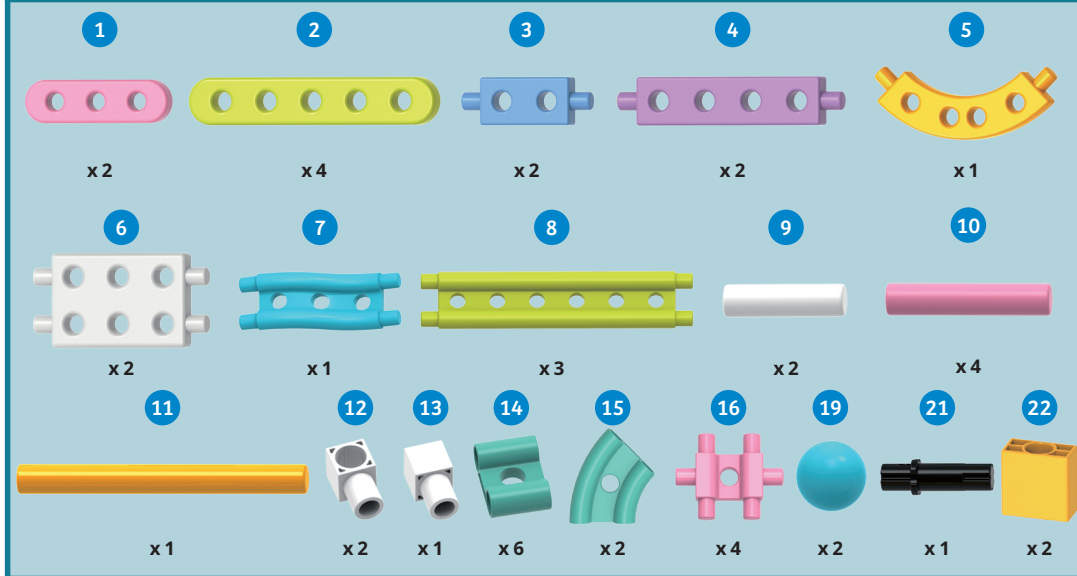
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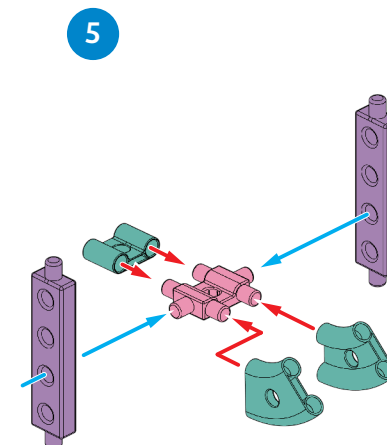
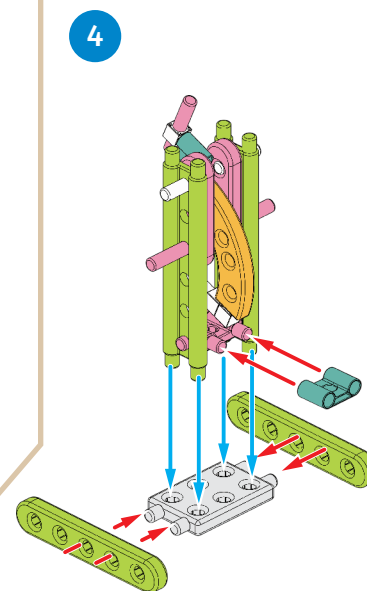
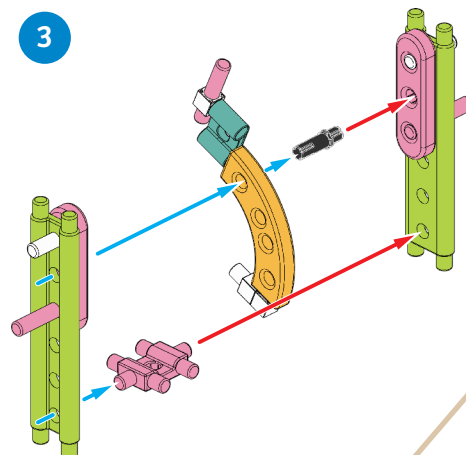
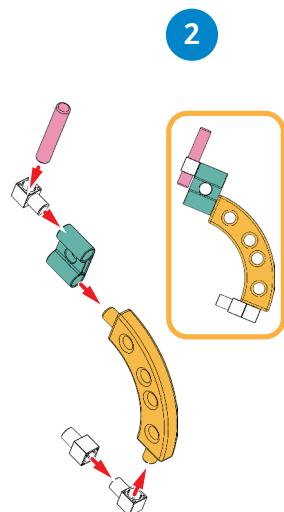
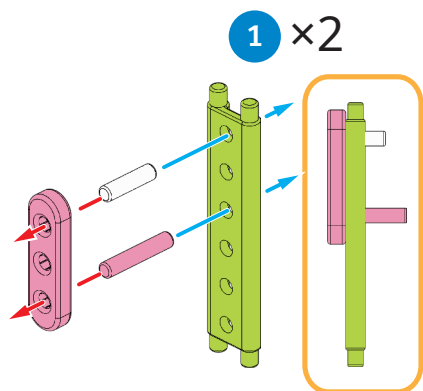
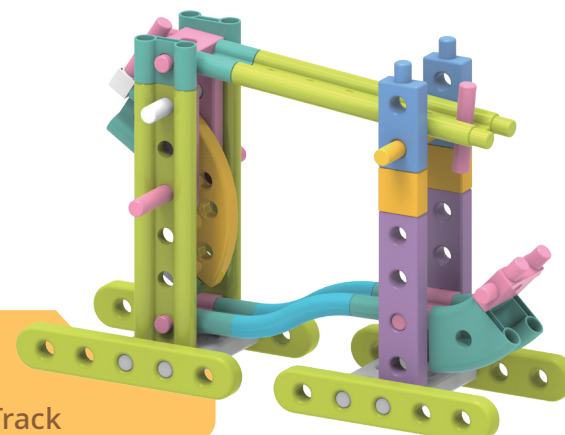
7



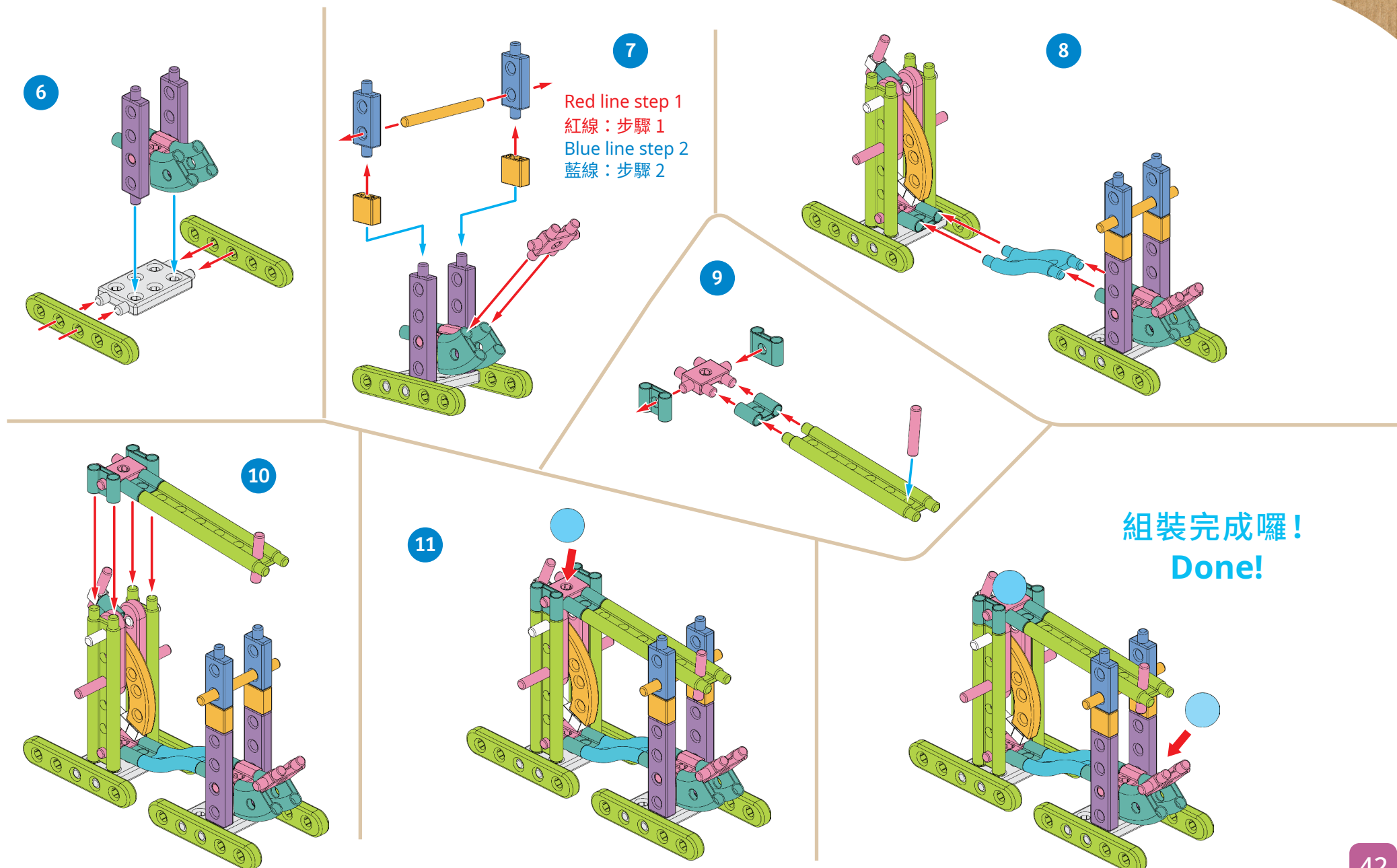
零件清單 Parts Needed



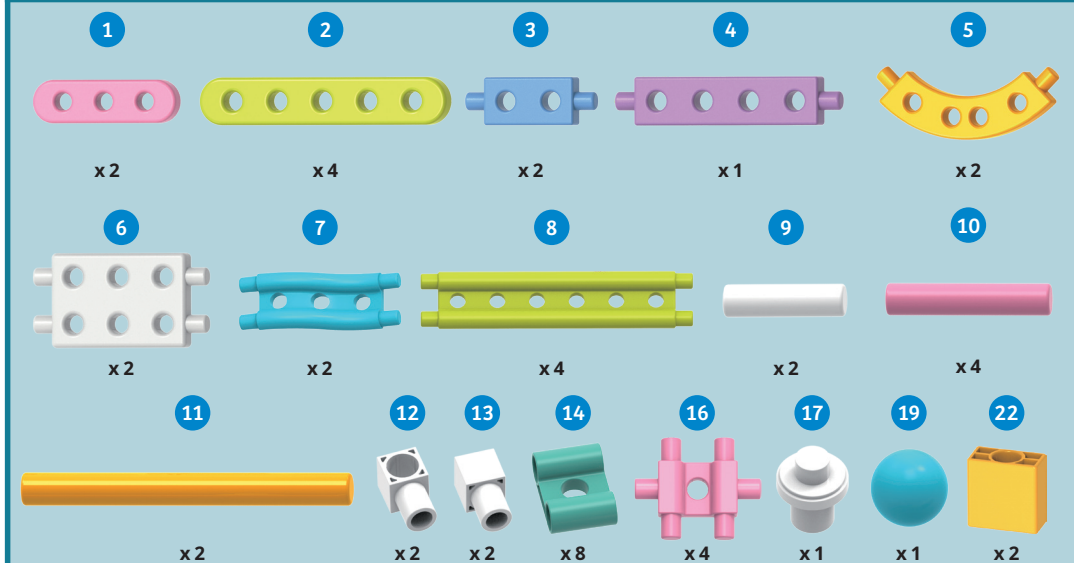
Model 18
上升軌道
Ascending Track



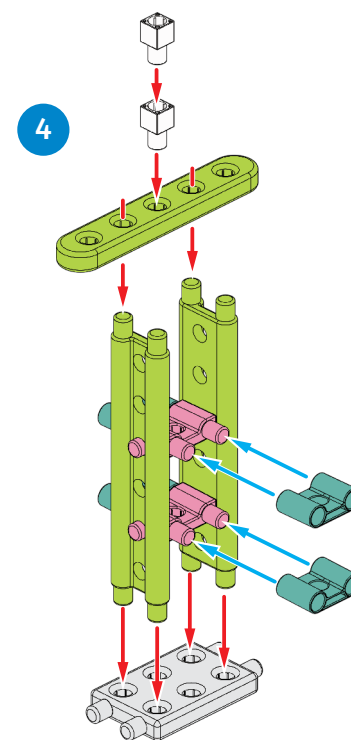
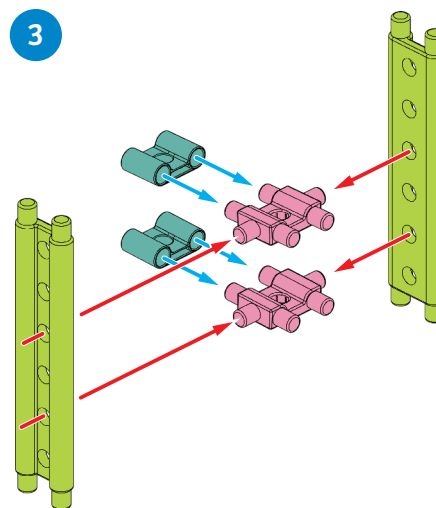
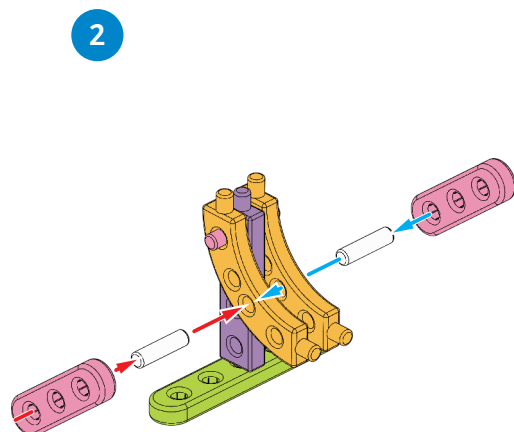
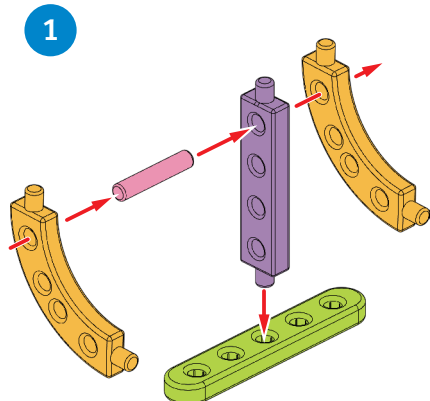
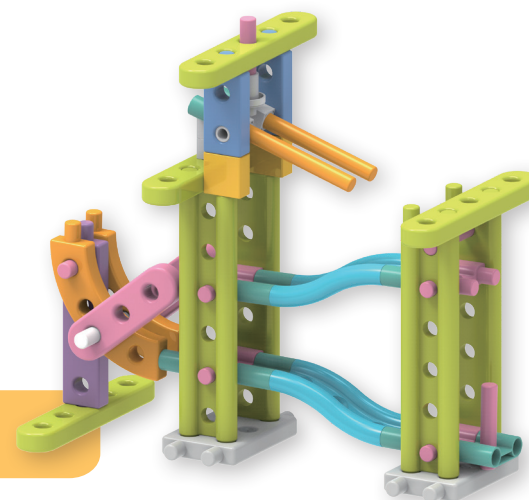
18 上升軌道 Ascending Track



零件清單 Parts Needed

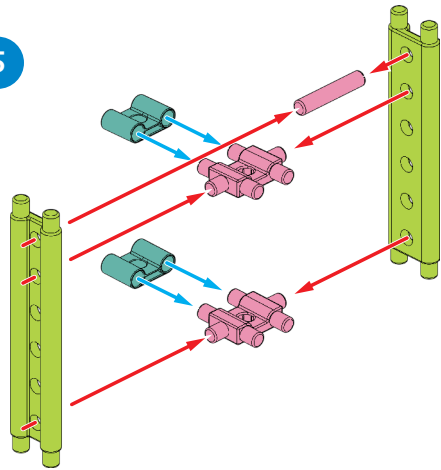


Model 19
三層軌道
Three-Layer Track

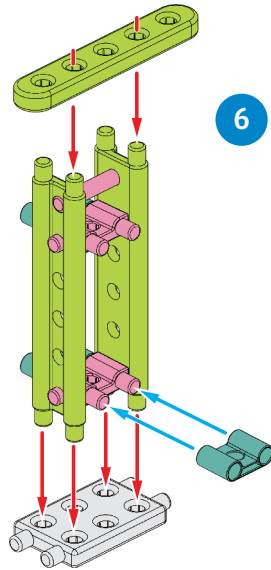


19 三層軌道 Three-Layer Track

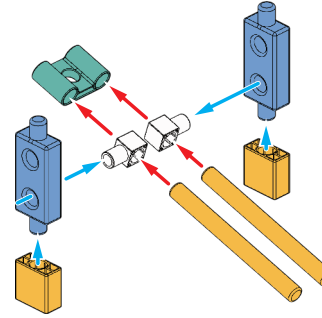
5



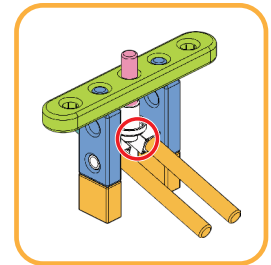
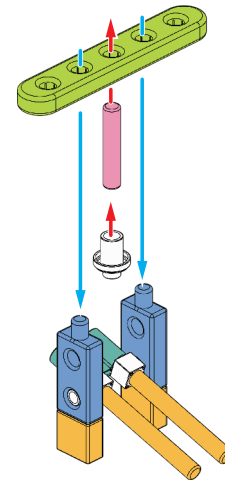
6



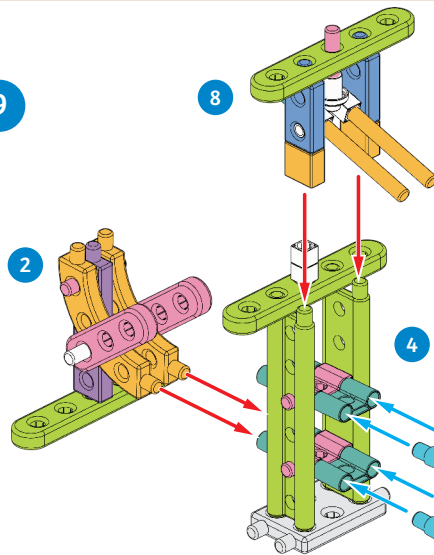
7



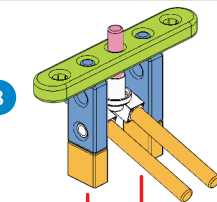
8



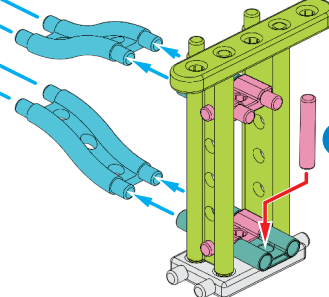
9



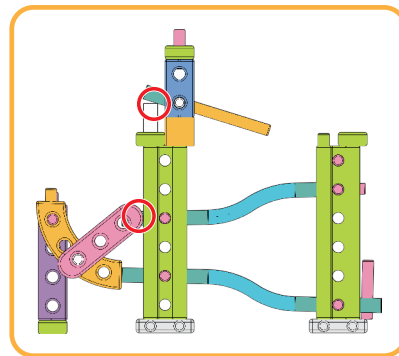
8



4



6

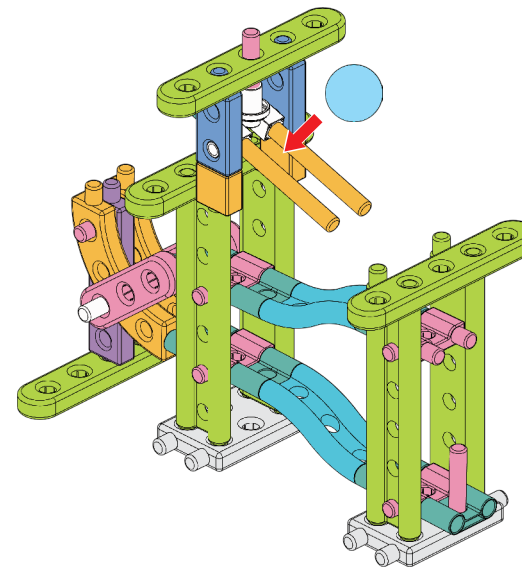


小技巧|TIPS







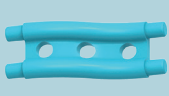
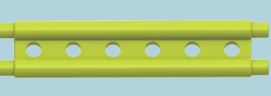




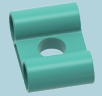

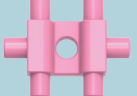



本軌道因高度限制，不適合以 58mm 扭蛋球進行實驗。

Due to height limitation, Three-Layer Track is not suitable for experiments with CAPSULE BALL.

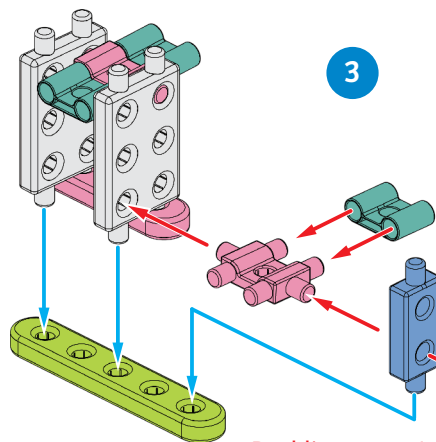
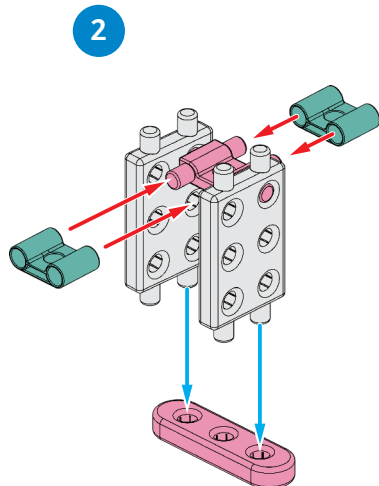
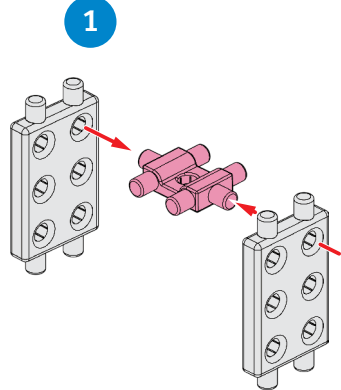
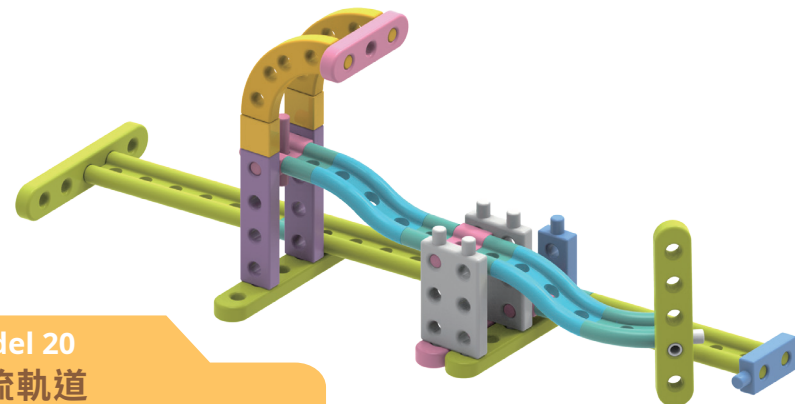
組裝完成囉！
Done!



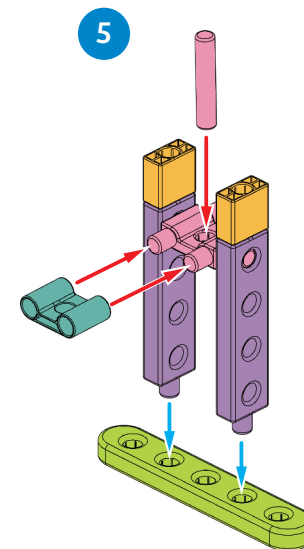
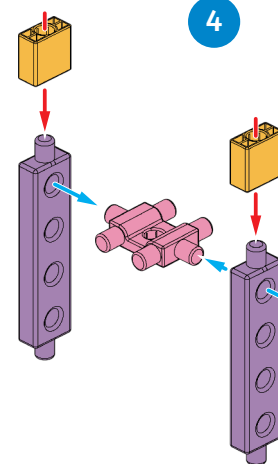
零件清單 Parts Needed

1	2	3	4	5
				
x2	x4	x2	x2	x2
6	7	8	9	10
				
x2	x2	x3	x1	x1
12	13	14	15	16
				
x1	x1	x6	x1	x3
17	19	22		
				
x1	x1	x2		

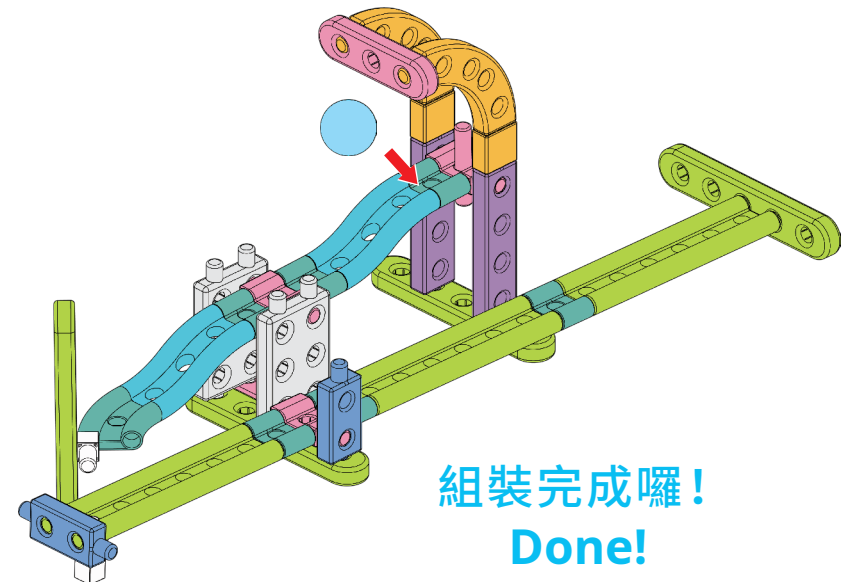
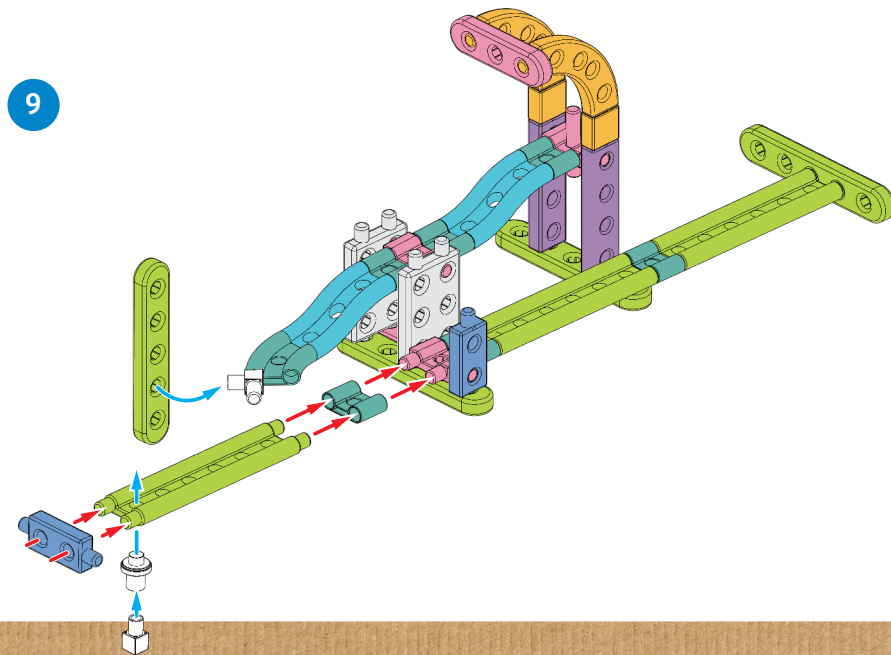
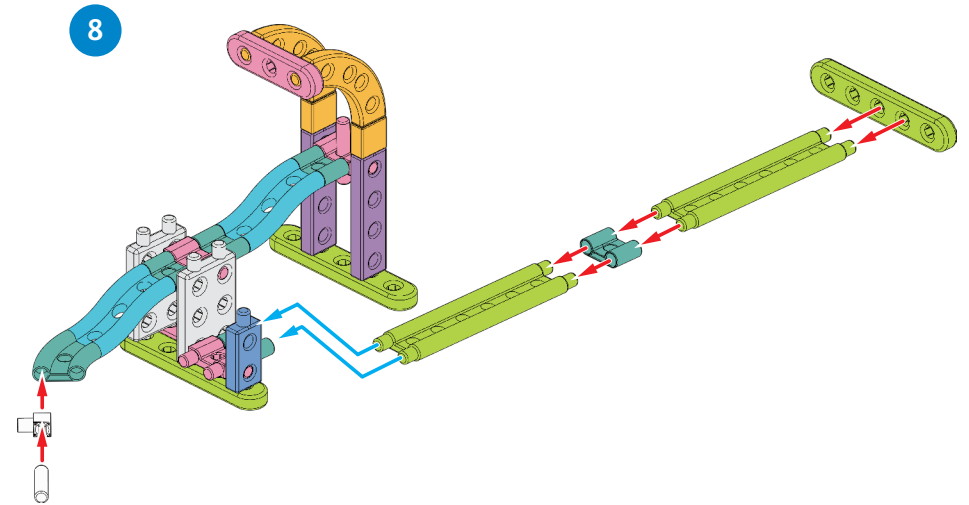
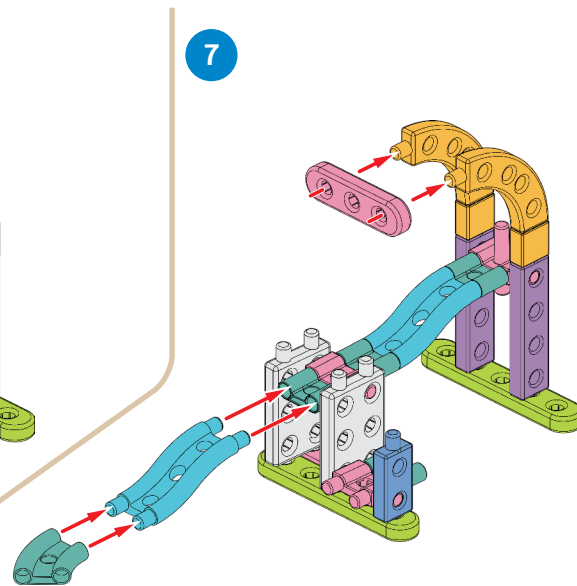
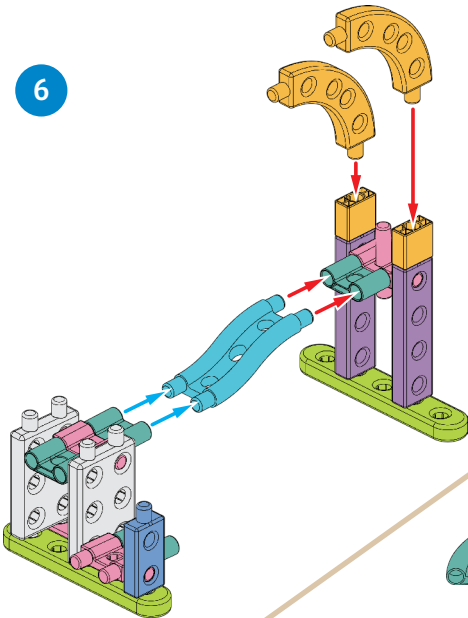
Model 20
分流軌道
Branch Track



Red line step 1
紅線：步驟 1
Blue line step 2
藍線：步驟 2



20 分流軌道 Branch track



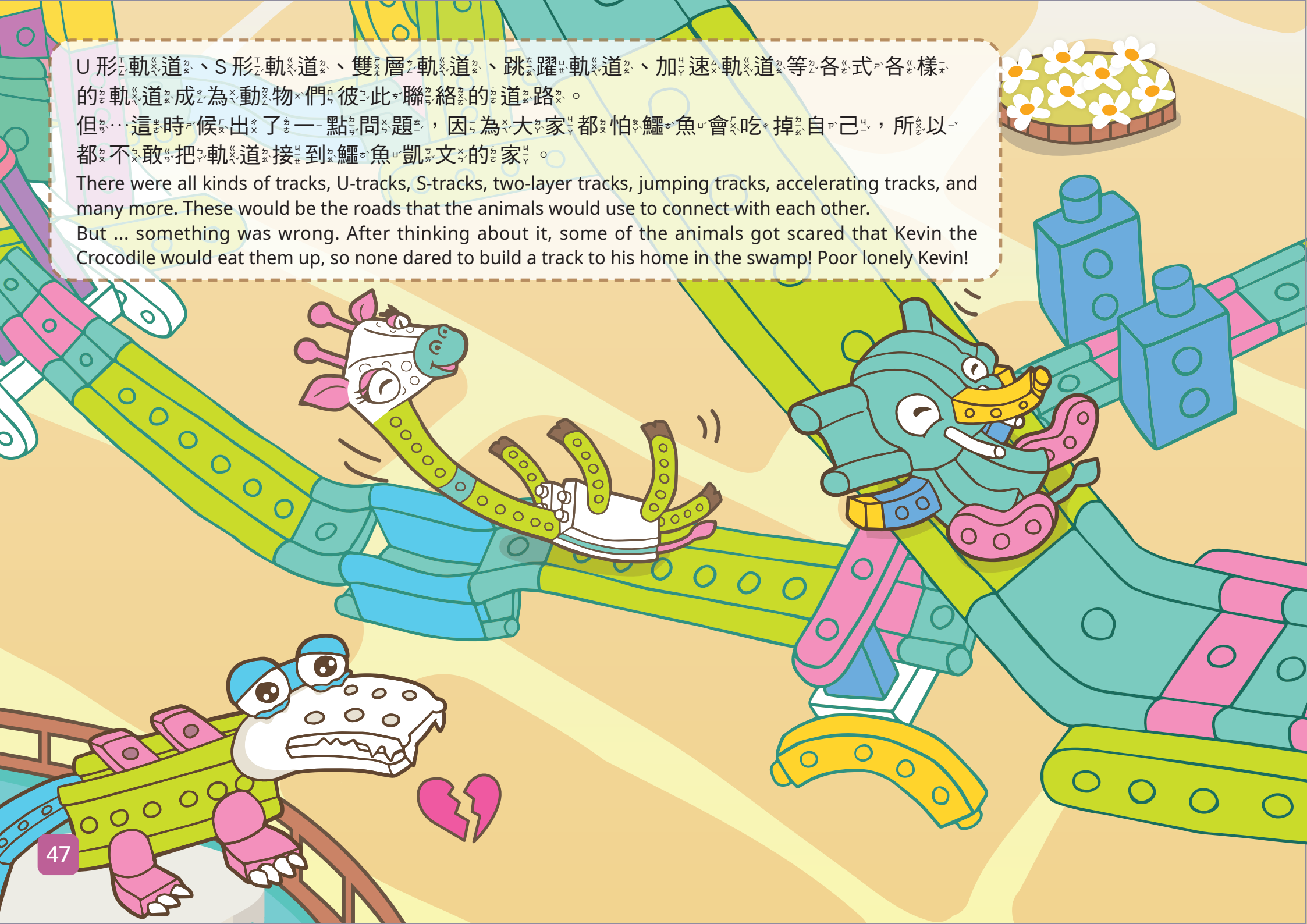
組裝完成囉!
Done!

U形軌道、S形軌道、雙層軌道、跳躍軌道、加速軌道等各式各樣的軌道成為動物們彼此聯絡的道路。

但...這時候出了一點問題，因為大家都怕鱷魚會吃掉自己，所以都不敢把軌道接到鱷魚凱文的家。

There were all kinds of tracks, U-tracks, S-tracks, two-layer tracks, jumping tracks, accelerating tracks, and many more. These would be the roads that the animals would use to connect with each other.

But ... something was wrong. After thinking about it, some of the animals got scared that Kevin the Crocodile would eat them up, so none dared to build a track to his home in the swamp! Poor lonely Kevin!

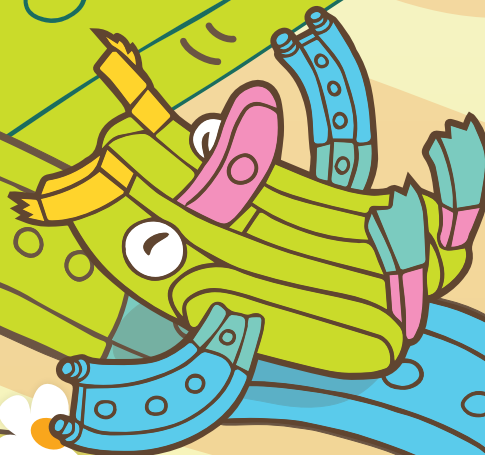


有一天，大家發現了一個新軌道，看起來很特別，吸引了動物們的注意，大家都在軌道上玩得亦樂乎。

突然，軌道扭動了一下並說：「我不會傷害大家，請大家來我家玩。」原來那是鱷魚凱文！

One morning, when the animals woke up, they found a new track outside. It drew lots of attention because it looked so cool. The zoo animals all began playing and having fun on the track.

Suddenly, the track wriggled and said: "I won't hurt you, please come to my house to play!" It turned out that the track was actually Kevin the Crocodile!



從那天起，動物園充滿了笑聲！

軌道是動物們友誼的橋樑，而現在大家都喜歡成為鱷魚凱文的好朋友！

From that day on, the zoo was full of laughter!

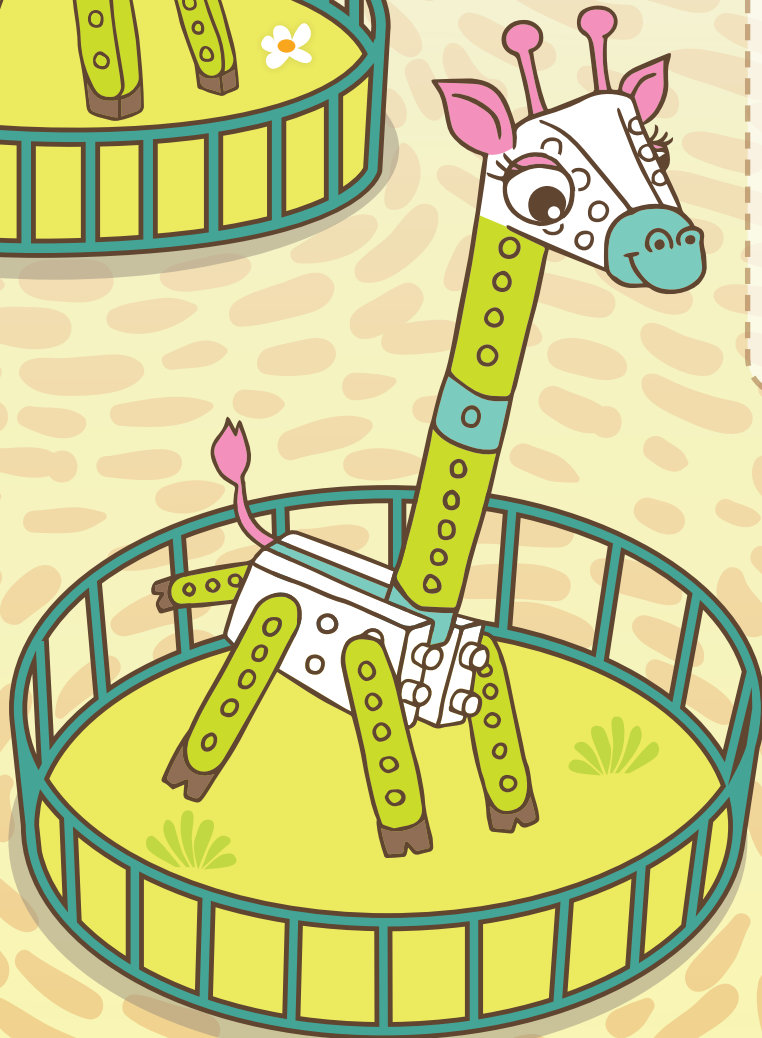
The tracks in the zoo are now the bridges of friendship among the animals, and everyone enjoys playing with Kevin the Crocodile!





動物園中有七隻動物，分別是：小馬波利娜、天鵝蘇珊、企鵝佩德羅、小鹿德瑞克、長頸鹿喬治娜、大象艾迪與鱷魚凱文。大家都被柵欄圍住，彼此無法玩在一起。

Once, there were seven animals in a zoo. Their names were Paulina the Pony, Susan the Swan, Pedro the Penguin, Derek the Deer, Georgina the Giraffe, Eddie the Elephant and Kevin the Crocodile. Everyone was separated by fences, and so they could not play together.



鱷魚凱文說：「我們來建造軌道，這樣我們就能一起玩啦！」
大家非常贊同這個想法，動物們開始建造起各式各樣的軌道。

One day, Kevin the Crocodile said: "Let's build a track so we can all play together!"
Everyone agreed, and they all started to build various tracks.





JUNIOR ENGINEER # 7371

Zoo Track Adventure

動物園軌道歷險記

